

# Cassin's Sparrow

*Peucaea cassinii*



## Identification

The Cassin's sparrow is about 5-6 in/13-15 cm long with brown and gray streaking on the back, a pale gray throat and breast, a white belly, and a light gray face. The central tail feathers are brownish-gray with dark brown bands, and white corners on the tail can be seen when the bird is in flight.



Photo credit: Alan Schmierer/Flickr

## Observation Tips

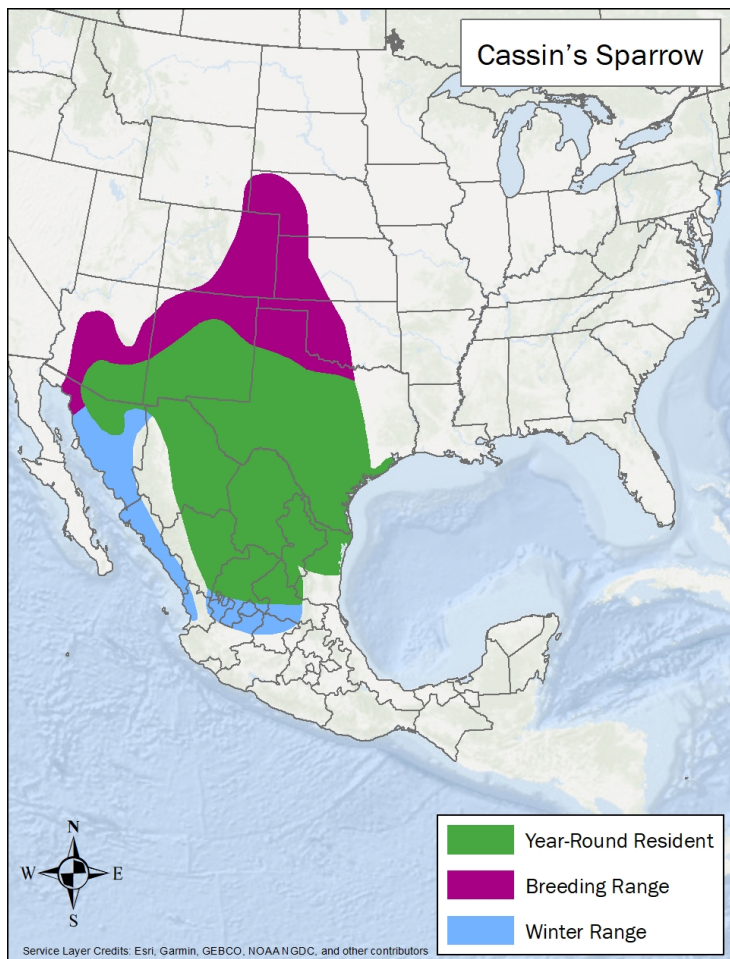
Beginning in early spring, males will “skylark”: fly above their territory and glide down while singing. Their song starts with two short introductory notes, followed by a rich trill and two lower notes. Birds can also be seen hopping on the ground, eating insects and seeds. In the breeding season, you can find Cassin's sparrows in the shortgrass prairie of the southern Great Plains, and in the winter, they occupy Chihuahuan grasslands in Arizona, New Mexico, Texas, and northern Mexico.

## Interesting Fact

Cassin's sparrow populations can fluctuate widely each year in both abundance and geographic extent, likely in response to summer precipitation. Within the center of their breeding range, they may be highly abundant or scarce, while individuals may suddenly appear at the edge of their breeding range where they do not usually occur. There are several hypotheses to explain these fluctuations, but little evidence to support any of them.

## Ideal Habitat

Cassin's sparrows are found in the shortgrass prairie of the southern Great Plains in areas with scattered shrubs, such as cactus, yucca, mesquite, sand sagebrush, prickly pear, rabbitbrush, greasewood, and creosote bush. In some areas, they are found in fairly dense shrublands with scattered grassy openings; they will tolerate a wide range of shrub densities as long as some grass is also present, usually bunchgrasses. The nest is set on or near the ground (<8 in/20 cm above the ground) in a shrub or clump of grass. Their territories typically contain 20–35% bare ground, 40–80% grass and forb cover, and >5% shrub cover. Habitat used during the winter in the southwestern U.S. and northern Mexico is similar to the breeding season habitat. Cassin's sparrows need some tall vegetation for nesting and as song perches and provide habitat for their insect prey.



## Management Activities that Benefit Species – Best Management Practices (BMPs)

To promote Cassin's sparrow habitat, provide a patchwork of grassland parcels of different heights and densities with >5% shrub cover. This patchwork can be maintained using rotational livestock grazing. Cassin's sparrows change nest sites from year to year, probably in response to changes in plant growth, grass seed production, and insect populations. Providing a diversity of grass heights and densities, and shrub cover provide Cassin's sparrows with options for establishing breeding sites each year. Maintain or restore grasslands with native grass cover, including land enrolled in the Conservation Reserve Program. Periodic fire or brush control can maintain open grasslands and prevent overgrowth of dense woody vegetation. Delay mowing until early-August to allow the birds to complete their nesting cycle and use a flush bar or similar device if you must mow before mid-August.

Range map provided by BirdLife International

## Management Activities to Avoid

Avoid heavy or continuous grazing, which can remove too much cover for nesting, especially where grass cover is already short and sparse. Avoid disturbance of nesting birds, as the adults are easily disturbed at the nest, and visits by humans may result in nest failure.

## Other Species that Benefit from Good Habitat Management

Other species that may benefit from habitat management for Cassin's sparrows include lesser prairie-chickens, scaled quail, lark buntings, and western meadowlarks.

## Other Resources

BirdLife International and Handbook of the Birds of the World. 2019. Bird species distribution maps of the world. Version 2019.1 [Cassin's Sparrow](#)

The Cornell Lab of Ornithology, Birds of the World [Cassin's Sparrow](#)

The Cornell Lab of Ornithology. All About Birds [Cassin's Sparrow](#)

Rocky Mountain Bird Observatory (now Bird Conservancy of the Rockies). 2006. [Sharing your land with prairie wildlife.](#)  
Brighton, CO. 56 pp.