Backyard Birds Open a Window on Science

ACROSS THE CONTINENT, PROJECT FEEDERWATCH CELEBRATES A QUARTER-CENTURY OF FEEDING CURIOSITY

people do that each year as part of Project or nuthatch. FeederWatch, which begins its 25th year on November 12. The combined data all those highlights at your own feeder and, by com-FeederWatchers have sent in-on just over bining them with thousands of others, finds 100 million individual birds so far-have extra meaning in them. To date, nearly two made it a resoundingly successful citizen- dozen peer-reviewed scientific publications science project.

stand the rhythms of bird irruptions, trace ease dynamics, predation by cats and hawks, the course of emerging diseases, and get a and the emerging effects of climate change. handle on sudden population changes, like the seemingly unstoppable expansion of the Eurasian Collared-Dove or, more worryingly, the unexplained decline of the magnificent Evening Grosbeak.

Variations on a Theme

Chickadee Black.canned Chickader

Soon after FeederWatch began, people started asking

us for help with tough identifications. So we started a

Tricky Bird IDs webpage to help people with Downy and Hairy woodpeckers, House, Purple, and Cassin's finches,

and other easily confused species. It was a hit-our accipiter

page alone is the third-most-visited page on the FeederWatch

Getting Help with Similar Species

site, with more than 60,000 views per year.

If you've got a feeder, you've probably got

a chickadee. But which one? Feeder birds

are a celebration of diversity and unity,

ing a continent in shades of javs. bluebirds, towhees, and chickadees.

Learn more: www.feederwatch.org

you keep bird feeders, you're keep- privy to many memorable sightings, from ing an eve on the natural world-and misguided European finches turning up in you can use what you see to help ex- North America to the perennial anticipation tend the reach of science. More than 15,000 of the winter's first siskin, redpoll, crossbill,

FeederWatch takes the memories and have drawn on Project FeederWatch data to The data have helped scientists under- explore subjects including seed choice, dis-

If you're already a FeederWatcher, thank you for helping us understand winter birds better. To the millions of others who keep feeders, we extend a warm invitation to join the project and take part in what has become Over the years, FeederWatchers have been an annual pleasure for many participants.

Seed Preference Tests In 1993 a study finally put hard numbers to the question of what kinds of seed birds like. FeederWatchers sent data from

5,000 locations, helping our researchers discover that where-

as black oil sunflower seed is beloved among tree-living birds such as chickadees and finches, ground-foragers such as Mourning Doves and many sparrows are more fond of millet. Even red milo has its place, edging out sunflower and millet in the choices of Gambel's Quail, Curve-billed Thrasher, and Steller's Jay.

Predation at Your Feeders

A 1994 study found that predators probably do not kill any more birds at feeders than elsewhere. The most common predators at feeders were Sharp-shinned and Cooper's hawks, closely followed by domestic cats. Window strikes outpaced deaths from predation, highlighting the importance of good feeder placement.

Understanding Irruptions

Part of feeding birds is guessing what will show up each year. Irruptions-large-scale movements that don't happen every year-are hard to pin down. Are high counts part of a major invasion-or do you just happen to have the best seed on your block? FeederWatch data are great for delineating such patterns. Studies published in 1996 and 1999 clarified irruption cycles in Varied Thrushes and winter finches.

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All-Time #1 Feeder Bird

At feeders all over the conti-

nent, one bird towers above all

others, at least in terms of oc-

currence. The Dark-eved Junco

visits more than 80 percent of

all FeederWatchers in any giv-

en vear. In any of its forms (the

"slate-colored" and "Oregon"

are the most widespread), this

plucky little snowbird is the pe-

rennial feeder champion

Presenting the

Yeav

In 1994 they discovered House Finch eye disease, which cut the eastern North American population of House Finches in half as it spread across the continent. FeederWatchers helped track West Nile virus as it spread, too, and in 2002 their data helped estimate the disease's heavy toll on crows and jays. Since then, FeederWatch-

You'll Likely See More Than You Expect

A host of common birds come to feeders (see map, above, for the number of species that visit feeders in your area). Each year FeederWatchers find the unexpected too, from escaped parrots to national rarities.

less year-to-year fluctuation



FeederWatchers have been indispensable at discovering and tracking bird diseases.

The Dove No One Saw Coming One of the most common birds

at feeders todav-the Eurasian Collared-Dove-wasn't even in your field guide when FeederWatch started. In the early 90s it was a curiosity mostly restricted to south Florida. Since then it has rocketed across the continent, appearing everywhere except the Northeast. Last year, a FeederWatcher even recorded one in Alaska



PFW checklist No 1,000,000 received

What's in the FeederWatch Kit? How Many Birds Could You See?

Project FeederWatch is a winter-long survey, and anyone can do it: children, families, teachers and students, retirees, coworkers on lunch breaks, nature centers, and more. Participants count birds at their feeders from November to early April on two consecutive days as often as once a week, then send us their data. Join up and we'll send you a kit with everything you need:

- · Handbook and instructions with tips for
- attracting birds to your yard. FeederWatch calendar for planning count / days, illustrated with participants' photos.
- "Common Feeder Birds" poster with more than 30 illustrations by field-guide artist Larry McQueen, including many
- of those on this page. Access to the FeederWatch forums, where participants share, discuss, and exchange help. A small annual fee, about

the price of half a bag of sunflower seed, provides essential support for staff time, website maintenance, data analysis, and materials.

The more you look at your feeders, the more species you'll see. Though northern winters are quiet, several dozen species are still the norm at many feeders. Farther south, winter can mean neak birding-Arizona reports 85 species on its Feeder-Watch list.* No matter where you are, we need your data to help fill in trends in occurrence and distribution. In particular, the states of Nevada and Hawaii need more participants.



Busting the Top Five Myths About FeederWatch 1. Ho-hum days are important data. "Predict-

able" counts are at the heart of FeederWatch data-it's exciting to report a rare bird, but counting common birds-or even no birds-is every bit as important.

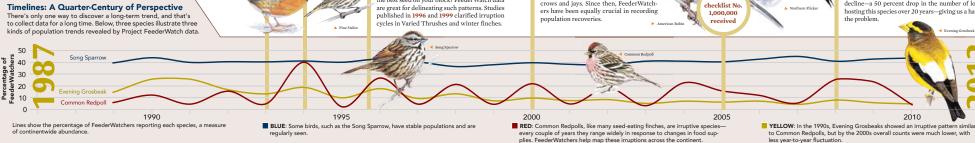
Robins aren't just birds of spring. We think 2 of robins as a sign of spring, but many gather into large, nomadic flocks in winter, even far in the north. You could see them at any time.

- 3 Feeding hirds won't delay their migration The main trigger for a bird's migratory urge is day length. When it's time to go, your feeders won't keep birds from leaving-but they might give them the energy to go.
- Birds don't get addicted to feeders. Birds may visit your feeder every day, but they actually get most of their food from natural sources.

You are allowed to take your eyes off your feeder. Lots of people travel for the holidays. If you'll be gone for part of the winter, you can still collect valuable data during the time that vou're home.

Evening Grosbeak Declines

Birds move over vast areas, making population changes impossible to detect from isolated counts. Widespread, long-term records like those of Project FeederWatch are essential for distinguishing normal population fluctuations from true declines. FeederWatchers' data have helped researchers document this spectacular bird's decline-a 50 percent drop in the number of locations hosting this species over 20 years-giving us a handle on



Ton Movers

In the last 25 years, a few birds have dra-

matically expanded their ranges. Red-

bellied Woodpeckers and Carolina Wrens

growing popularity of birdfeeding.

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