

# Habitat: Chickadees



- Uses variety of forest types
- Eats insects and plant material
- May excavate own cavities in soft wood

# **Nest Box Use: Chickadees**

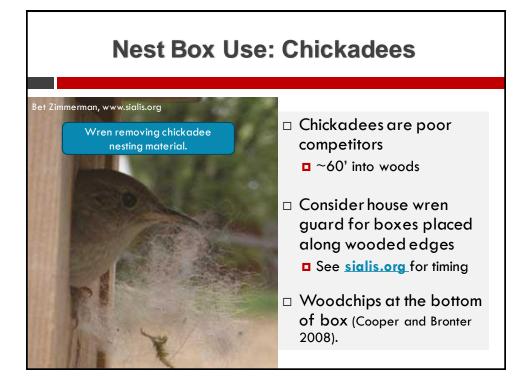
Place boxes under tree cover, along edges of woodlands near open areas or bird feeders.

- Secretive and sensitive to disturbance
- Place nest box near cover
- Wait to monitor









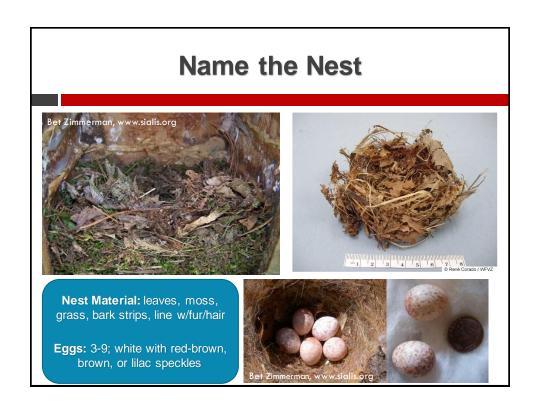
# **Nest Box Specifications: Chickadees**

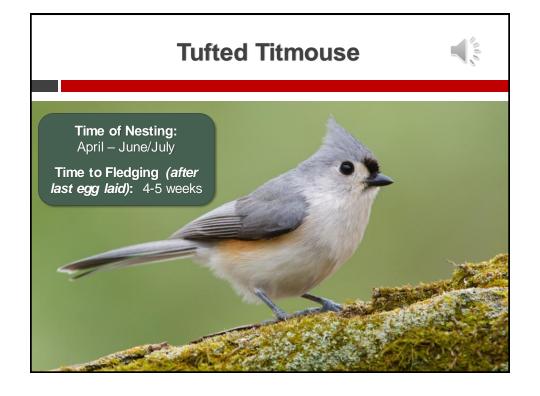
- □ NABS style boxes, wren houses, PVC style (Gilbertson) boxes
  - Will use hanging boxes
- □ Mount 5-15' off ground
  - □ Higher mounting preference 8-14' off ground?
- $\square$  1&1/8" 1  $\frac{1}{4}$ " entrance hole
  - Hole facing away from winds
- □ 30-50' spacing between boxes

#### **Disclaimer on Nest Box Info:**

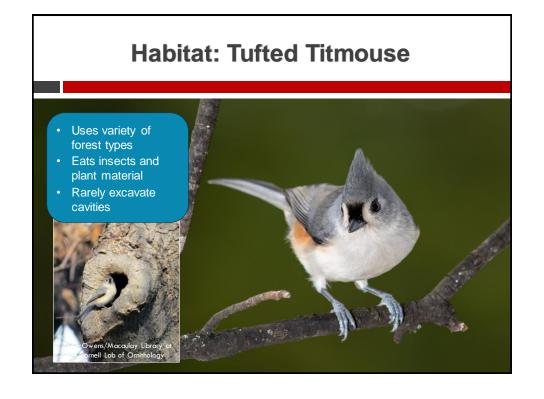
Information on nest box sizes and specification from:

- ☐ Sialis website by Bet Zimmerman Smith www.sialis.org
- □ Cornell Lab of Ornithology's Nest Watch www.nestwatch.org
  - □ All About Birdhouses 'Learn' tab
- □ Other published literature
- u.osu.edu/wildside 'Nest boxes for Cavity Nesters'









#### **Nest Box Use: Tufted Titmouse**

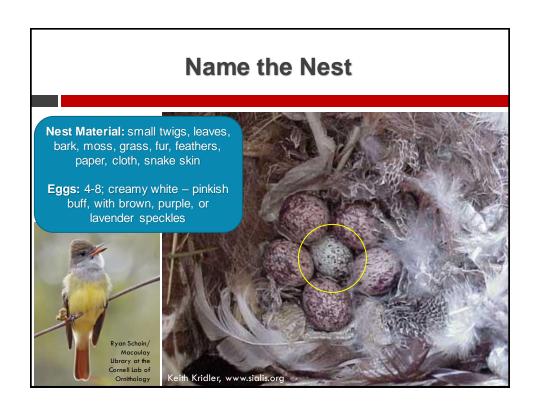
Place boxes under tree canopy near large, deciduous tree (mast producers) or bird feeders.

- Secretive but more competitive for nesting sites
- May still have issues with house sparrows and wrens
- · Consider wren guard

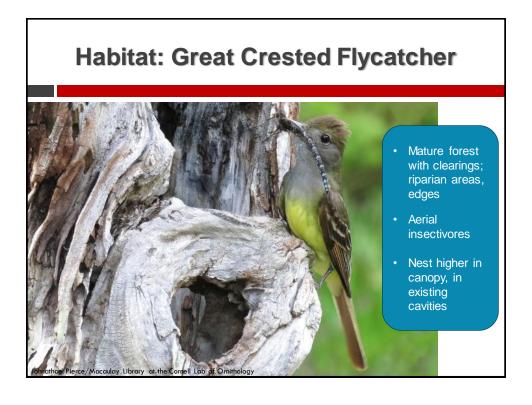
# **Nest Box Specifications: Tufted Titmouse**



- □ Not particularly picky about natural tree cavities
  - May use a variety of box styles (NABS, Chalet, Peterson), including hanging boxes
- □ Mount higher than 5'?
  - □ 6-15', at least 8'?
- $\Box$  1 1/4" 1 1/2" entrance hole
- □ 30-40' spacing between boxes
- Monitoring advice titmice sensitive, wait until 1 week after egg laying









### **Nest Box Use: Great Crested Flycatcher**

- Bluebird style boxes largely acceptable, including boxes hung from trees
  - 3-4' wire, mounted 12'above ground
- □ May prefer larger, deeper box width (8x7 and 9-16"deep)
- □ At least 1 ¾" entrance hole
  - To discourage starlings:
    - Hanging boxes and/or
    - Use 1&9/16" hole or oval entrance (1.375"x2.25")
- Monitoring advice a ladder and mechanics mirror
- □ I box/6 acres





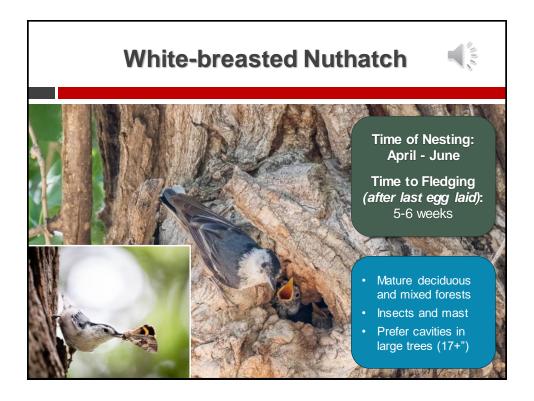
# Name the Nest





Nest Material: bark (larger pieces), fur, grass, finished with soft cup of softer materials

**Eggs:** 5-9; white to cream with brown spots and mottling





#### **Nest Box Use: White-breasted Nuthatch**



Bet Zimmerman, www.sialis.org



- □ Little is known about nest box use
- □ Place boxes close to winter feeding territory
  - Under tree canopy or within 15-30' of woodland edge
- □ Mount 5-15' high
- $\Box$  1  $\frac{1}{4}$ " 1  $\frac{1}{2}$ " entrance hole
  - May be attracted to larger holes
- □ Place 1-4" wood shavings in



# A note on woodland management...

- Bird are looking for naturally occurring cavities in dead or dying trees
  - Consider managing for dead wood in your woods
  - □go.osu.edu/deadwood

A single tree in a natural forest serves thousands of other organisms, even once it has been dead for decades.



# **Woodland Management Help:**

- □ ODNR, State Foresters <u>forestry.ohiodnr.gov</u>
  - Assist with long-term goals for private woodlands
- □ Consulting Foresters osafdirectory.com
- □ Natural Resources Conservation Service (NRCS)
- Soil & Water Conservation District Office (SWCD)/wildlife specialists
- □ ODNR, Division of Wildlife private lands biologists
  - wildohio.gov
- □ Learn more at <u>woodlandstewards.osu.edu</u>

### **Carolina Wren**

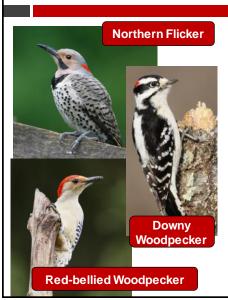


- $\hfill\Box$  Prefer to nest in brushy areas, open cavities, or...odd places.
  - Peterson, hanging wren house, PVC box, and wood duck nest box!
  - Wide entrance hole -2.5"x5.5" nest box plan at <u>nestwatch.org.</u>
- $\ \square$  Young sensitive to monitoring do not monitor after day 7



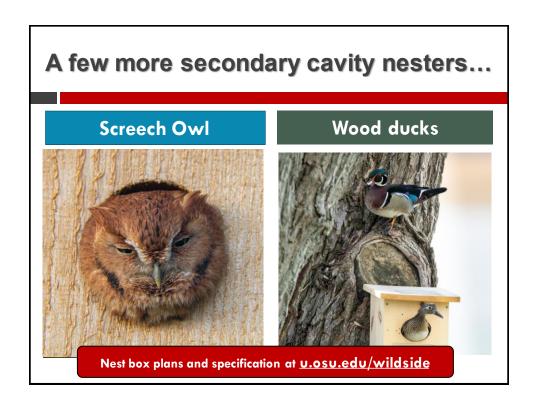


# **Woodpeckers – Primary Cavity Nesters**



Nest excavation creates and strengthens the pair bond.

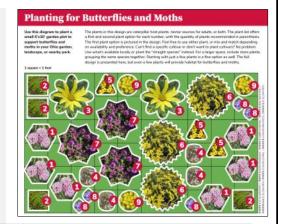






# **Keeping Your Nest Boxes Safe**

- Don't let your back yard or trail become an ecological trap:
  - Wise placement of boxes
  - Provide natural food sources
  - Manage/remove invasive species



Native plants for hummingbirds and songbirds - COMING SOON! u.osu.edu/plantbynumbers

# Alternative to Non-native, Invasive Plants from Ohio Invasive Plant Council



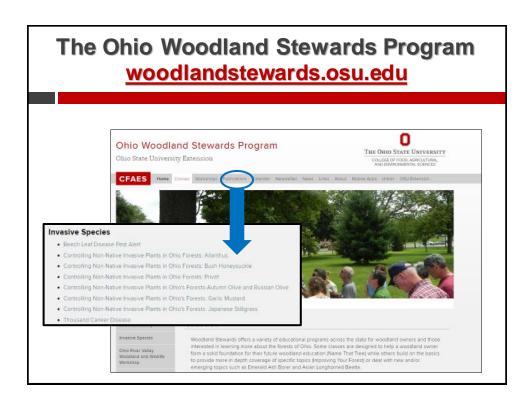
Asian Bush Honeysuckles: Amur, Morrow, and Tatarian (Lonicera maackii, Lonicera morrowii, and Lonicera tatarica)

- · Form dense populations in the understory of woods
- Leaf out early and hold leaves late in the fall
- · Seeds from red berries are dispersed by birds and deer

#### Recommended Alternatives:

- \* bottlebrush buckeye (Aesculus parviflora)\*-US
- \* black chokeberry (Aronia melanocarpa)-OH
- \* summersweet clethra (Clethra alnifolia & CVs)-US
- \* common winterberry (Ilex verticillata & CVs)\*-OH

www.oipc.info/plants-to-replace.html



# **Keeping Your Nest Boxes Safe**

- Don't let your back yard or trail become an ecological trap:
  - Wise placement of boxes
  - Provide natural food sources
  - Manage/remove invasive species
  - Reduce or eliminate insecticides
  - Keep cats indoors



# A note on types of boxes...

- □ Birds are tough. They are likely less fussy than we are.
  - □ Offer a variety of boxes
  - In good locations
  - With responsible monitoring
  - And proper maintenance.

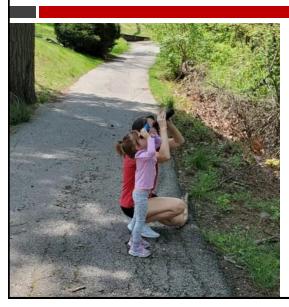


# Resources

Special thanks to Bet Zimmerman Smith, Keith Kridler, Betsy Marie, Tim Bischoff, and the Macaulay Library at the Cornell Lab of Ornithology for pictures and information.

- □ Sialis website <u>www.sialis.org</u>
- □ Cornell Lab of Ornithology:
  - □All About Birds <u>www.allaboutbirds.org</u>
  - ■Nest Watch <u>www.nestwatch.org</u>

# Thank You!



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Resources: <u>u.osu.edu/wildslide</u>