

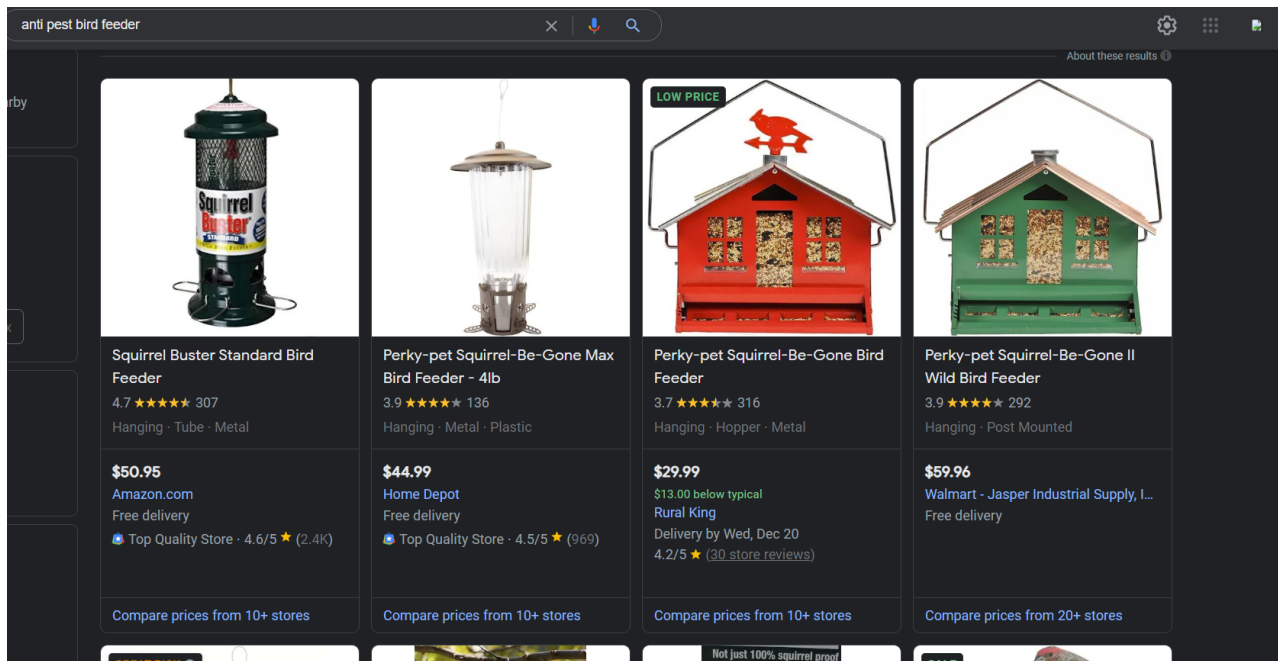
Ideas

- Security sensor
- Anti-pests bird feeder
- Automatic chicken feeder

Purpose statement

I'm going to make a bird feeder that allows for the casual birdwatcher to have a peace of mind as the bird feeder prevents pests from eating the bird food.

Research

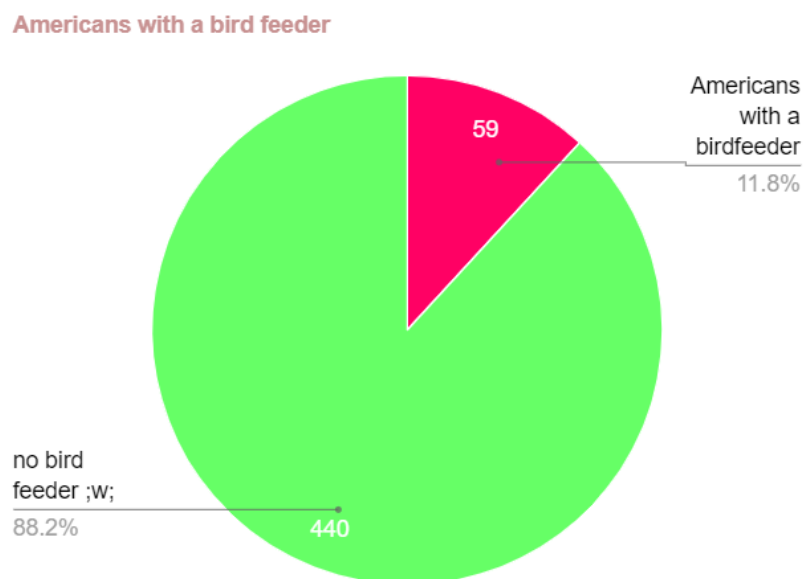


Bird feeders that are “anti-pests” are expensive \$\$\$ and aren’t connected with the user in a more convenient way

Bird feeders are a big business as \$5 Billion is spent annually on birdseed and wildlife food , \$960 Million is spent annually on bird

feeders, bird baths, and nesting boxes , \$1.8 Billion is spent annually on binoculars and spotting scopes, and \$7.6 Billion is spent annually on bird feeding and watching wildlife (<https://franchise.wbu.com/wild-bird-feeding-industry/>)

Around 59 million Americans feed birds in america ([Fws.gov](https://www.fws.gov))



Benefits

Some benefits of having a bird feeder is it gets pollination in your garden which makes your flowers grow bigger and brighter, attracting butterflies and many more species of multicolored birds. Another benefit is that the birds that you attract eats bugs like worms, mosquitoes, beetles, flies, dragonflies and moths.

(<https://www.nature-anywhere.com/blogs/bird-feeding-academy/9-surprising-benefits-of-feeding-birds-in-your-garden>)

Prototype Image

