

Wild Game & Food

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EXTENSION



Win-Win Opportunity

Food production
&
Damage reduction







Ecological damage from high white-tailed deer populations

Orchid (Orchidaceae) decline in the Catoctin Mountains, Frederick County, Maryland as documented by a long-term dataset

Wesley M. Knapp · Richard Wiegand

this species otherwise this orchid showed a decline similar to the other species. Proper management is critical for the continuation of the orchid species in this study, be it control of the white-tailed deer herd or combating woody plant succession in the case of *P. ciliaris*.

A regional assessment of white-tailed deer effects on plant invasion

Kristine M. Averill^{1,2,15*}, David A. Mortensen^{1,2}, Erica A. H. Smithwick^{1,3}, Susan Kalisz⁴, William J. McShea⁵, Norman A. Bourg^{5,16}, John D. Parker⁶, Alejandro A. Royo⁷, Marc D. Abrams^{1,8}, David K. Apsley⁹, Bernd Blossey¹⁰, Douglas H. Boucher^{11,17}, Kai L. Caraher¹¹, Antonio DiTommaso¹², Sarah E. Johnson^{1,8,18}, Robert Masson¹³ and Victoria A. Nuzzo¹⁴

In contrast, deer exclusion revealed three introduced plant species, including *Lonicera japonica* and *Rosa multiflora*, and 15 native plant species. Overall, native deer reduced community diversity, lowering native plant richness and abundance, and benefited certain invasive plants, suggesting pervasive impacts of this keystone herbivore on plant community composition and ecosystem services in native forests across broad swathes of the eastern USA

Effects of white-tailed deer on vegetation structure and woody seedling composition in three forest types on the Piedmont Plateau

C. Reed Rossell Jr.^{a,*}, Bryan Gorsira^b, Steven Patch^c

occidentalis), although significantly impacted, remained the most abundant species throughout the study. These findings suggest that white-tailed deer may be modifying the structure of the forest interior to the extent that it adversely affects wildlife species dependent on a dense understory to thrive. We predict that the future composition of forests in MNBP will shift towards stands with fewer species and a greater dominance of oak, black cherry, and hickory, particularly in the oak, hickory and bottomland

Hunting as food

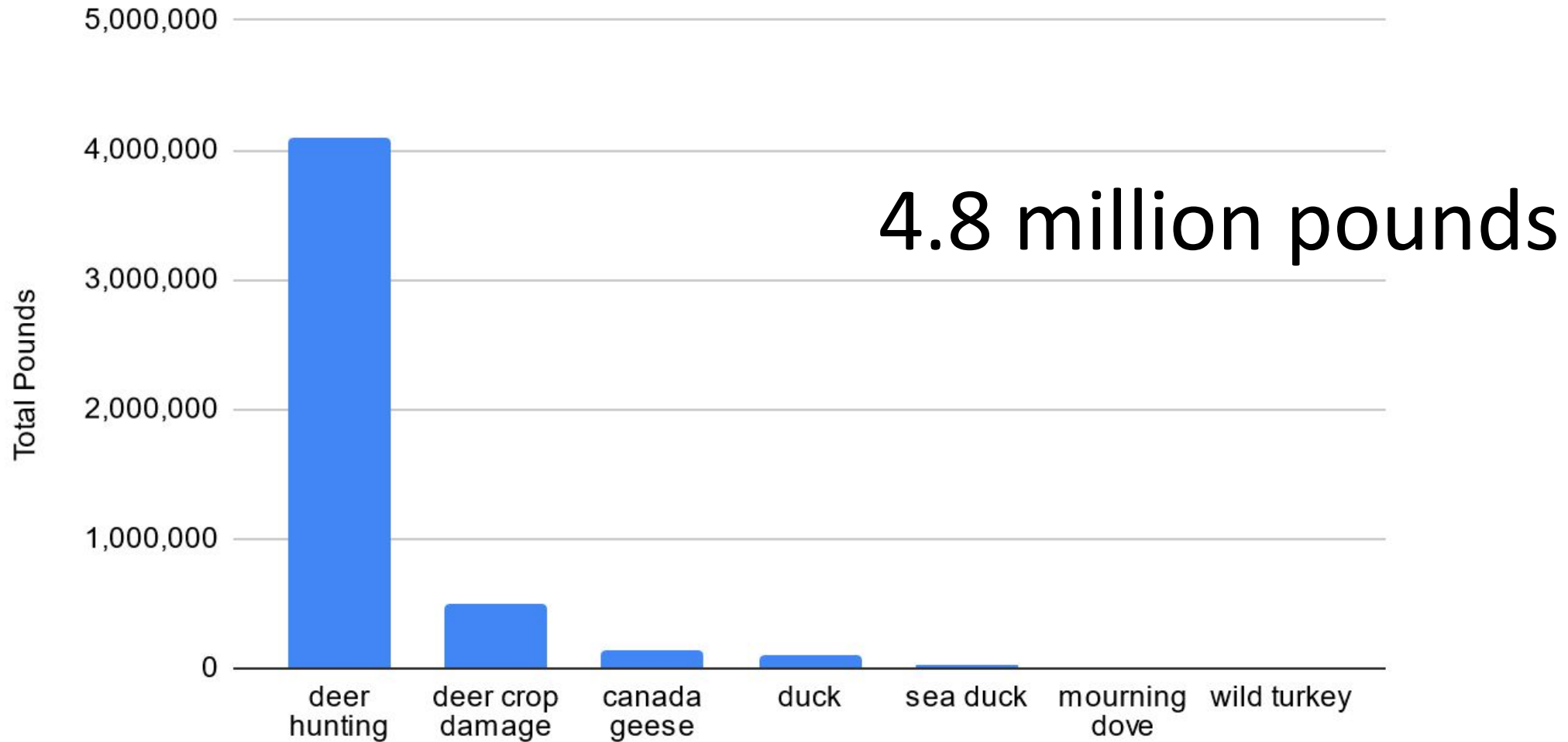
Photo: MD DNR

- “I support hunting if people eat what they hunt...”
- 84% of public feels this way (Duda 2020)
- It’s also the law in most cases



How much meat are we talking about?

Total Pounds



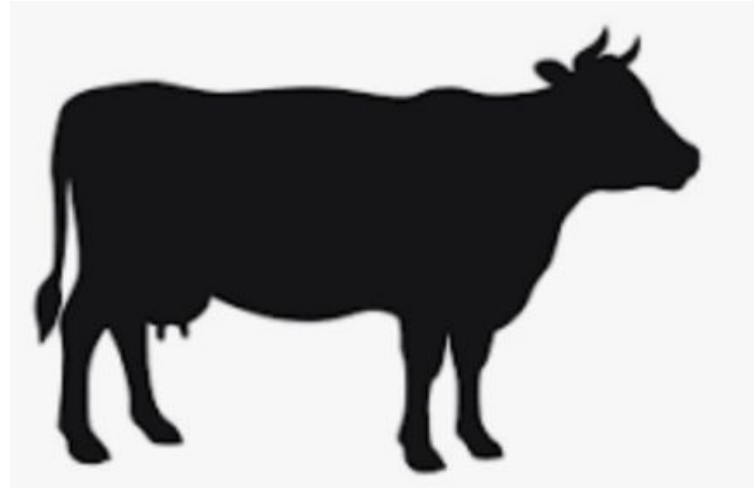
Nutritional Profile - 3 oz Portion



Venison

134 calories

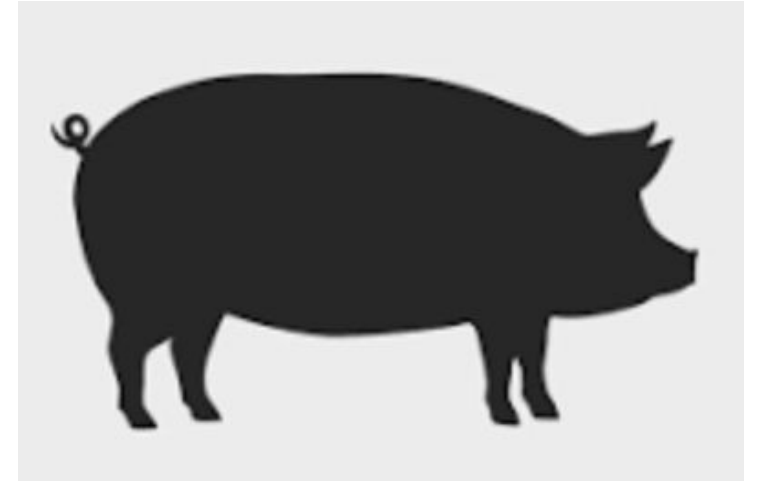
3g fat



Beef

259 calories

18g fat



Pork

214 calories

13g fat

Hunters & Farmers Feeding the Hungry

50 pounds of meat per deer

\$50 butcher fee

\$1.00 per pound – cheaper than other meat

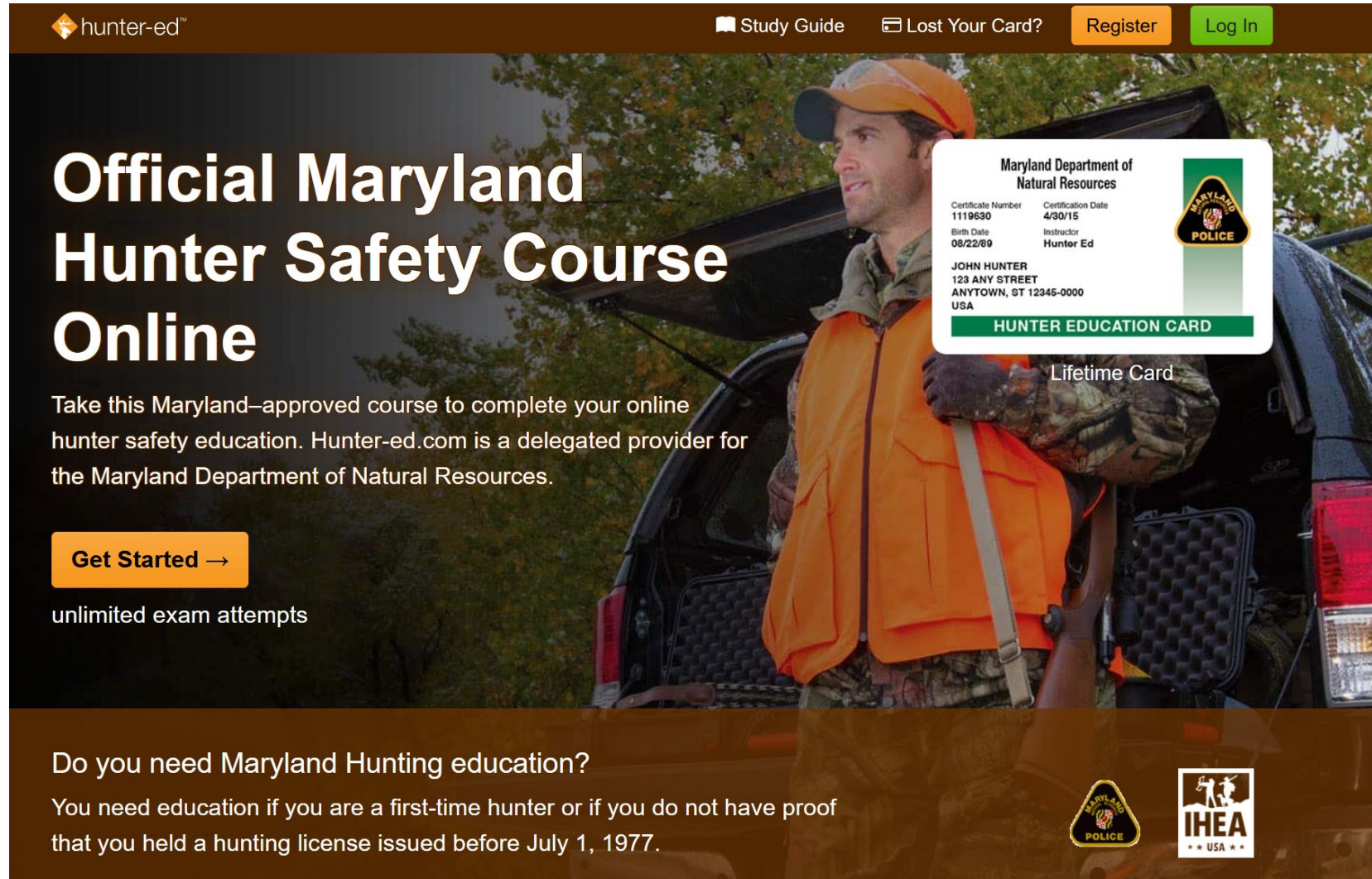
600 tons of venison donated since 1997

www.fhfh.org



Interested in hunting?

- Hunter-ed.com
- Workshops with DNR
- Next one on April 11



The screenshot shows the Hunter-ed.com website interface. At the top, there is a navigation bar with the Hunter-ed logo, a 'Study Guide' link, a 'Lost Your Card?' link, and buttons for 'Register' and 'Log In'. The main content area features a large background image of a hunter in an orange vest and cap standing by a vehicle. Overlaid on this is a 'Lifetime Card' graphic with the following details:

Maryland Department of Natural Resources	
Certificate Number	Certification Date
1119630	4/30/15
Birth Date	Instructor
08/22/89	Hunter Ed
JOHN HUNTER	
123 ANY STREET	
ANYTOWN, ST 12345-0000	
USA	
HUNTER EDUCATION CARD	

Below the card, the text reads 'Lifetime Card'. The main heading is 'Official Maryland Hunter Safety Course Online'. Below this, a paragraph states: 'Take this Maryland-approved course to complete your online hunter safety education. Hunter-ed.com is a delegated provider for the Maryland Department of Natural Resources.' A 'Get Started →' button is positioned below the paragraph. At the bottom of the main content area, it says 'unlimited exam attempts'. The footer contains the question 'Do you need Maryland Hunting education?' followed by the answer: 'You need education if you are a first-time hunter or if you do not have proof that you held a hunting license issued before July 1, 1977.' The footer also includes the Maryland Department of Natural Resources logo and the IHEA (International Hunter Education Association) logo.

Questions

Luke Macaulay, Ph.D.

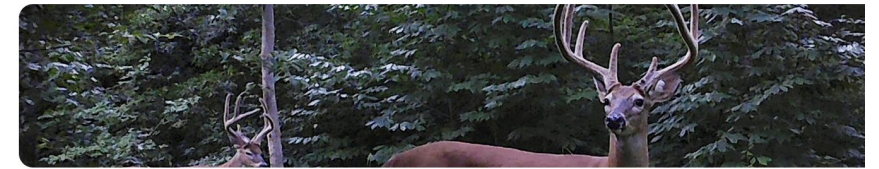
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For You

