



# Hunters and their involvement in wounding

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(Includes the Wildlife Management School)

**Education:** Wildlife manager, forester, degree in management and miniMBA.

**Experience:**

Head of Game and Wildlife Advisory Services in HedeDanmark a/s, which is Denmark's leading actor on forest and landscape enterprise services and trading.

Forester/ranger and assistant for wildlife consultants The National Forest and Nature Agency, Ministry of Environment.



# Danish Hunter's Association

- Main target is voice of hunting and hunters
- Vision: As much hunting and nature as possible
- 90.000 members (Population in Denmark is 5.800.000)
- 17.000.000 AUD annual turnover - from membership (Membership: 170 AUD pr. year) and funding's - task's from government, wildlife management projects, research etc.
- 55 staff





# Sustainable use provides the basis understanding for protection of nature



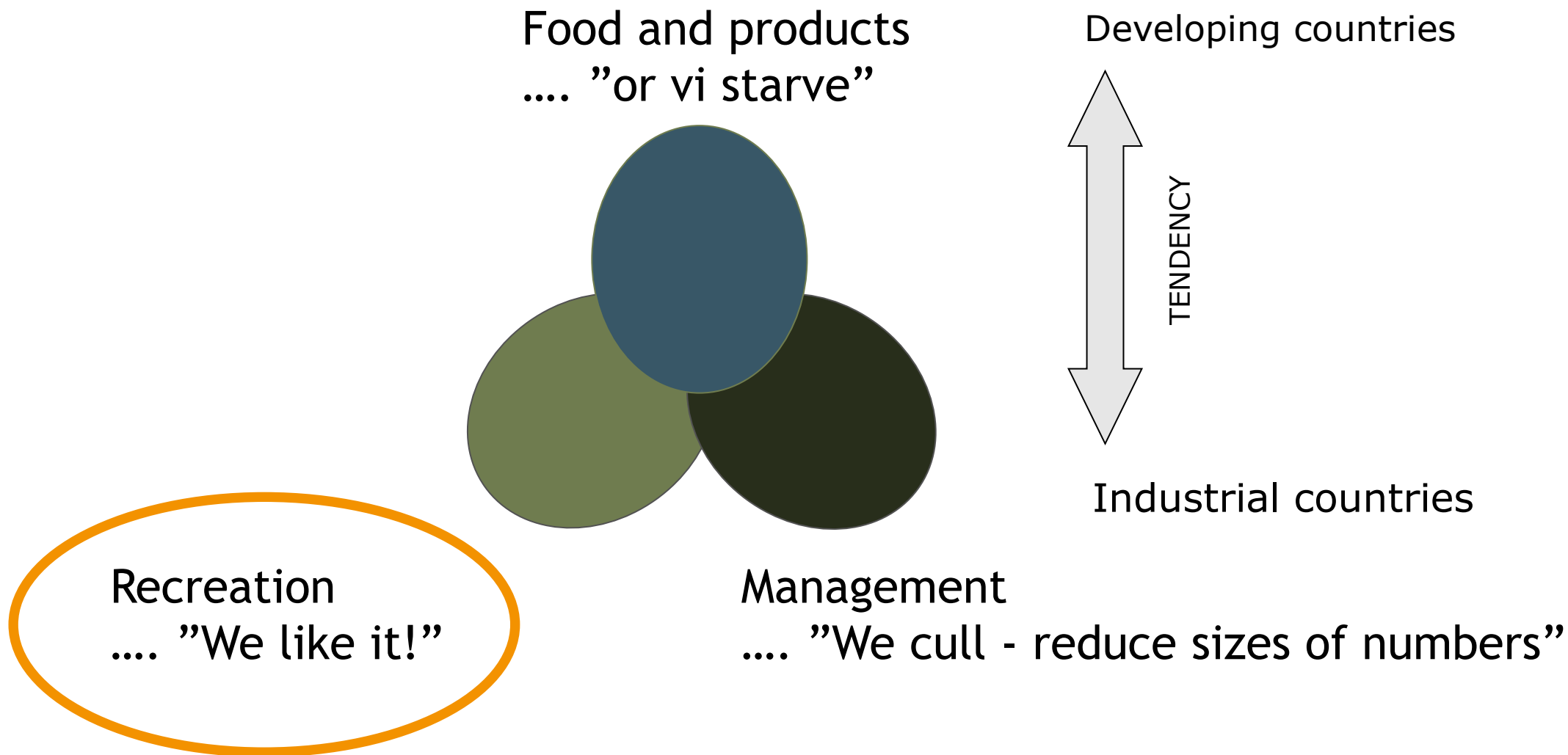


# I hunt

- Because I like it!
- Because is a natural thing to do - it is a drive!
- Because it is a part of our culture, and tradition - has been the most important part of survival!
- Because it is recreation and gastronomy!
- Because it is sustainable use of a renewable ressources!



# Why do we hunt?





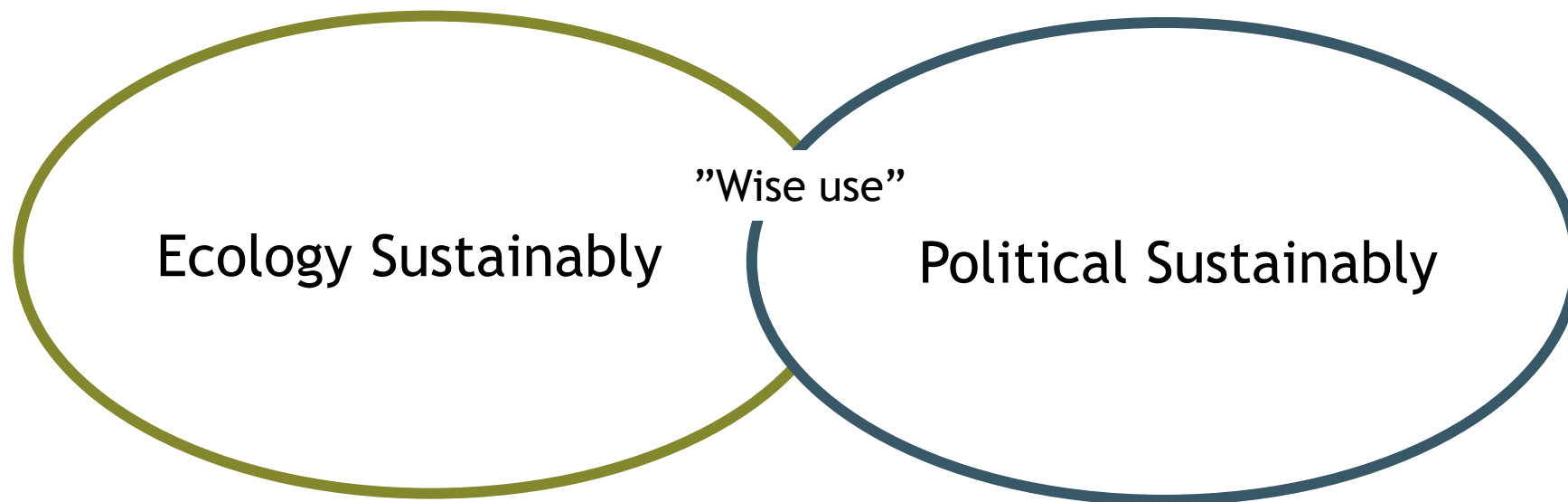
# Public opinion in the EU

- Hunting is not a problem
- Hunters behavior is!





# Sustainably use - wise use



Hunting Politically you can argue for a lot, but if it is vulnerable....



# Hunting in Denmark

- 5.8 million inhabitants. Total area 43.000 km<sup>2</sup>. 134 inhabitants per km<sup>2</sup>
- There are approx. 220.000 hunting licenses all eligible in Denmark. On average, 175.000 redeem their hunting license every year.
- On average 4.500 new hunters does the compulsory test for hunting license each year. (Theoretical, practical test and a shooting tests rifle, shotgun, bow) and that results in approximal 2.500 new hunters every year.
- New hunters has to be 16 years old to do the compulsory test. They can hunt alone when they are 18 years old.



# Hunting opportunities

- Hunting opportunities is a privilege, not a matter of fact!
- Hunters are responsible for the future of hunting opportunity





# Hunting rights

- Hunting rights follows the ownership / use rights.
- Hunting rights may not permanently be separated from ownership.
- Hunting rights can only be let out for a maximum period of 30 years.
- The right to hunt duck & waders, except woodcock and farmed mallards, may not be transferred to others for periods of less than 1 year.
- Hunting rights on the sea territory is free and can be driven by anyone with a valid hunting license and permanent resident in Denmark .



# Danish hunting culture

- It is mandatory to bring a retrieving dog when hunting with shotgun.
- Use of tracking dogs for finding wounded deer have a long tradition in Denmark.





# Wildlife Management Council

Legal basis:

Act for Hunting and Wildlife Management

Members:

- Chairman - independent
- Danish Hunters' Association
- Danish Society for the Protection of Nature
- Dansk Agriculture 2 members (Land owners)
- Birdlife Denmark
- Danish Forestry Society (Land owners)
- Animal Welfare
- The Outdoor Council

**Advises the Minister of the Environment in management of wildlife and hunting**







**No formulated targets and action plan.** Possible involvement and open approach . Joint decisions - long and open process !

## Paradoks

**Launching a goal and action plan for execution.** Ability to correct targets and action plan and quickly move on – short and closed process !



Experience  
Dissatisfaction  
No mastered  
it, call  
planning, lack  
of  
involvement



Experience  
Dissatisfaction  
Manipulation,  
no possibility of  
influence, top-  
down, etc.



# The wounding phenomenon

## Definition:

“Wounded game, not retrieved/collected”

## The problem:

- Economic - Meat and Trophy
- Animal protection/welfare - Unnecessary disorder
- Hunting success - the joy of hunting

## Hunting causes:

- Bad shooting
- Poor distance assesment
- Shooting over personal ability
- Bad weapon/ammunition



# Acceptance from the hunting community that there was a wounding problem

Taking the leadership - be responsible for the problem:

1. Accepting and facing the problem - the burning platform (Kotter)
2. Participate in mapping the problem
3. Contribute to the solution of the problem
4. Participate in evaluation and follow-up - it is a process!





# What do we want?

Remove shooting - remove hunting!!

The risk of wounding depends on several things:

- Hunting techniques
- Size of the animal
- Hunter behavior and training

NO LIMITED LIMITS CAN BE SET



# Main problem:

- Hunters are shooting at far to long distance!





# Approach to Hunter attitude

- Recognition of the problem
- Education
- Hunting techniques - development/training
- Information
- Knowledge
- Weapons/ammunition



# But first history on how we phased out lead shot

## 1975 onwards:

- Experience from USA of lead poisoning of waterfowl
- Dead mute swans (*Cygnus olor*) on Danish localities
- Big numbers of lead pellets, detected in certain locations
- A general political and public worry about environmental lead contamination

## 1981:

- Restrictions on use of lead at shooting ranges with fall-down in wetlands
- Debate on the use of non-toxic shot started
- Hunting organizations strategy was to create as many "problems" with non-toxic shot as possible
- The result was a misinformation among Hunters

## 1985:

- Ban on use of lead shot in 27 Ramsar sites
- And in ponds with release of Mallards (*Anas platyrhynchos*)
- Additional restrictions on sport shooting with lead

## 1996:

- Total ban on use, trade and possession of lead shot



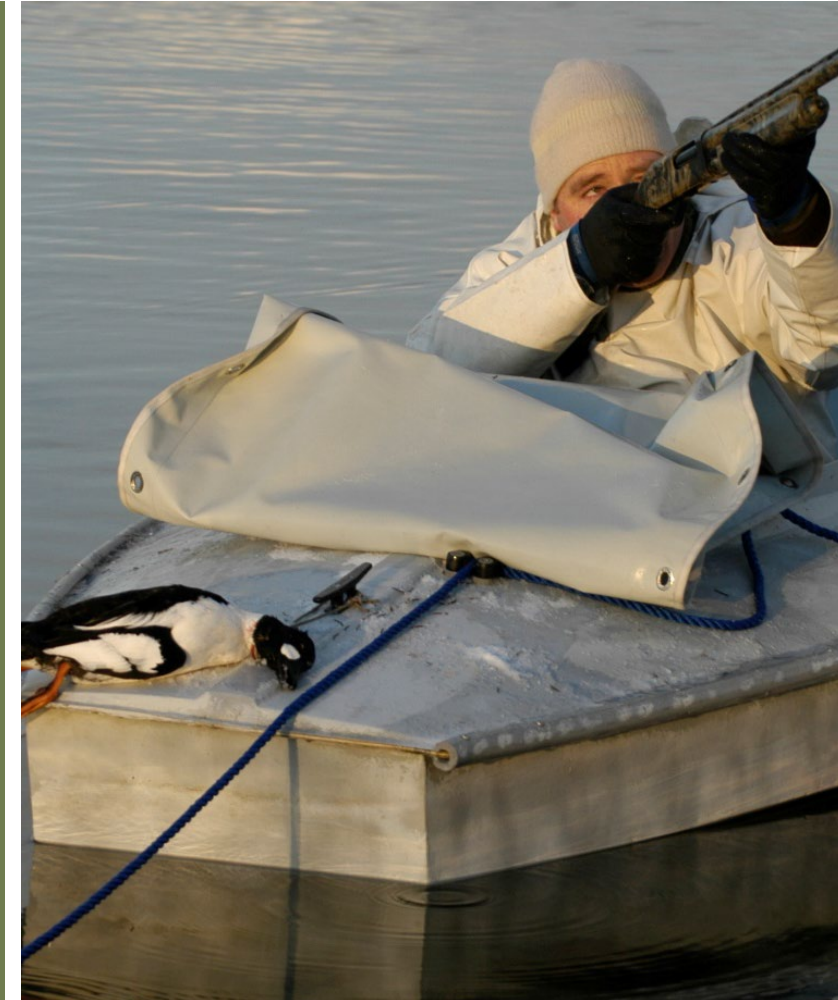
# Conclusion

What did we lose?

- Nothing!

What did we gain?

- An improved environment
  - Reduction on mortality at the mississippi flyway since lead-ban mid 90-ties
- A stronger political position as lead shot is no longer a political issue
- Hunters image are improved by showing environmental responsibility
- Cartridges of high quality at a fair price



# History

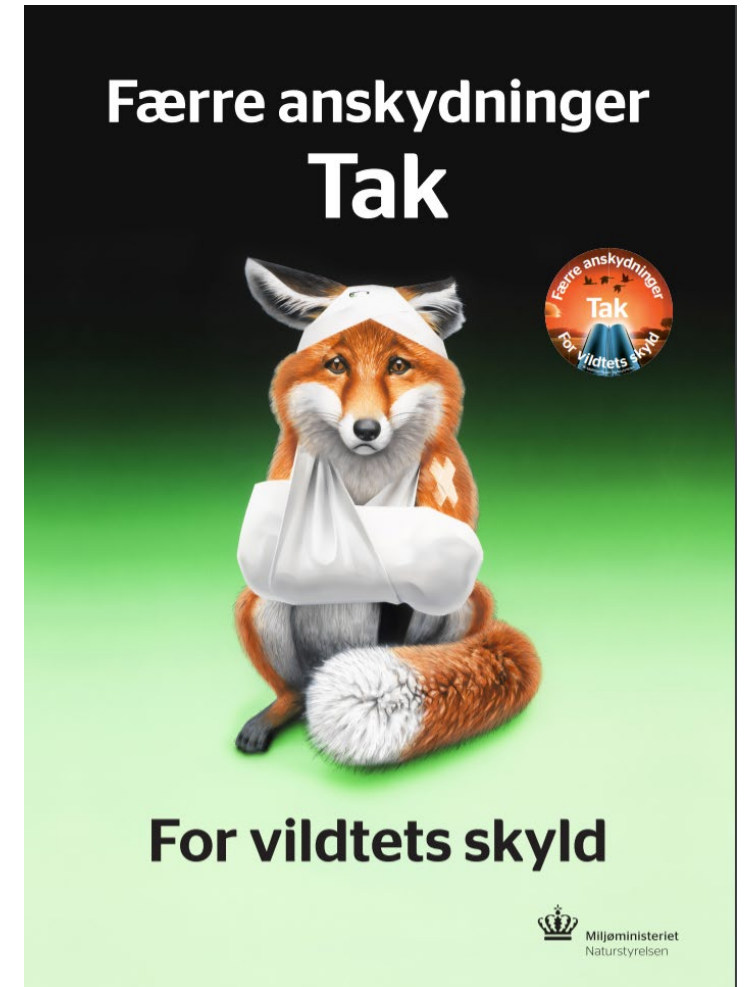
- The transition to lead-free shotgun ammunition coincided with the investigations regarding wounding
- Many Danish hunters therefore concluded that the reason for wounding's was the lead-free ammunition
- The task was to convince the hunters that alternative shotgun ammunition could be used for hunting It quickly became clear that the quality of the lead-free ammunition was crucial to success





# Important approaches and goals to achieve

- Gain ownership of the problem and that it is a every hunters problem.
- Build confidence in the available shotgun shells - it is not a matter of equipment.
- Achieve owner ship - no owner ship = no real will to change behavior
- Formulate simple guidelines and best practice
- Good co-operation with researchers, authorities and manufactures of ammunition etc.



# Participate in research - collecting data





# Task force ammunition

- To ensure the quality of shotgun ammunition used for hunting.
  - Speed
  - Uniform pellets
- The Danish Hunters' Association collects cartridges at retailer level/gun shops for testing. Send to independent test center, which performs speed and pressure measurements



# Talks and meetings in hunting clubs









# Co-operation




Miljø- og Energiministeriet  
Danmarks Miljøundersøgelser

## Kvalitetsparametre for haglammunition

En undersøgelse af spredning og  
indtrængningsevne som funktion af  
haglenes størrelse og form

Faglig rapport fra DMU nr. 295



WOMEN & SHOTGUNS ▾ CLAYS ▾ SHOTGUNS ▾ DESTINATIONS ▾ WINGSHOOTING ▾ DOGS BOOKS NEWS ▾

**Tom Roster**

Tom Roster is an independent ballistics consultant and author specializing in the design and testing of shotshell loads for target, duck, goose, pheasant and dove shooting tests ever conducted. He is a court-recognized shotshell and reloading expert and then served as a Ballistics Research Director at Oregon State University. Roster has designed and administered the world's six most extensive peer-reviewed scientific reports. Roster spends about half of his time testing lead and nontoxic hunting and target shotshell loads and in his writings for various shotgunning magazines. 884-2974, [tomroster@charter.net](mailto:tomroster@charter.net).

Tuesday, 08 December 2015 00:50

### Gamebore Target Loads Cross U.S. Market

Tweet



## Testing New Ground

### STEEL SHOT STUDY FINDS FACTS FOR PHEASANT HUNTERS

BY CRAIG BIHRLE

If a day of pheasant hunting is ever unpleasant, Jerry Feist experienced one. A participant in the first-ever scientific test of shotshell efficiency on ring-necked pheasants, Feist's task on that day was to bag six roosters at long range. The day had advanced from mid-morning to almost supper time, and Feist was the only one of six hunters who had not completed his mission.

long-distance birds, Feist had a particularly challenging outing. An experienced pheasant hunter, the normally jovial Jerry would just as soon have cased his 12 gauge on this hot early October afternoon, but since this was an important test of ammunition that required a certain number of birds shot at several distance increments, he persevered.

## ANSKYDNING AF VILDT

### Undersøgelser 2013-2015

Teknisk rapport fra DCE - Nationalt Center for Miljø og Energi

AARHUS  
UNIVERSITET  
DCE - NATIONALT CENTER FOR MILJØ OG ENERGI

nr. 70

2015





# Three tips

It is important that all hunters train their shooting skills and always make a correct distance assessment so that fewer animals are shot

Remind yourself and your hunting buddies of these three things:

1. Think before you pull the trigger
2. A good hunter only shoots when there is a good chance of hitting
3. The best hunter is the one with the best shooting statistics



# Formulated Guidelines/best practice

- Be aware of your shooting skills
- Train your shooting skills to prevent wounding
- Advise and help other hunters to reduce the number of shots
- Only try double if the chance is obvious. Never double roe deer with pellets
- Your consumption of cartridges should not exceed three per killed piece of flying game and two per piece of running game one shotgun hunting
- Think twice before pulling the trigger
- Only shoot when there is a good chance of hitting
- Demonstrate good morals and responsibility





# Game bag book/Journal

[illegible]

					1 kinnad dubble	7 fasan 1 skink 4 gyl 1 dom
				2/2	4 rävd 3 Hare 3 fasan 1 anl.	färr
				6/9	74 fasan 3 Kite 1 duck Intraon	
				18/28	83 fasan 1 hare 1 age huse	
				11/24	51 fasa 4 and	
				6/7	61 fasa 2 and blev skuld	
				12/18	74 fasan 1 and KUU	
				1/5	3 steppe 1 rev 3 rävd 3 fan	
				1/1	2 rävd 10 and 10 fasan	
				1/3		
				8/14	62	
				1/2		

1

					1 kinnad dubble	7 fasan 1 skink 4 gyl 1 dom
				2/2	4 rävd 3 Hare 3 fasan 1 anl.	färr
				6/9	74 fasan 3 Kite 1 duck Intraon	
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				1/3		
				8/14	62	
				1/2		

1

4 kinnad 8 vildsvin 7 rävd 2 d



TOTA





# Recommended shooting distance

- Roe deer 20 meters
- Fox and geese 25 meters
- Pheasant, duck, partridge, pigeon etc. (35)30 meters



# Shooting instruction at local hunting clubs



Jagt	Vildt og natur	Det sker i DJ	Våben	Hund	Kredse	Om DJ	Søg..	C
Bue								
Skydebaner								
Find skydebaner								
Skydeskole								
Skydeaktiviteter								

Nedenfor kan du filtrere på geografi (de forskellige kredse i landet) eller du kan filtrere på, hvilken type skydebane du gerne vil finde (kategori).

Midt/Østjylland

Alle kategorier

Ryd filter

### Midt/Østjylland

- Allingåbro Skytteforenings riffelbaner
- Assens-Mariager jagtforenings flugtskydebane
- Bryrup-Them jagtforenings flugtskydningsbane
- Brædstrup & omegns jagtforening flugtskydningsbanen i Sdr. Vissing
- Christianshøj flugtskydningsbane
- Duelykke flugtskydebane
- Feldballe jagtforenings flugtskydebane
- Flugtskydningsbanen Gylling Strand
- Galten-Vissing jagtforenings flugtskydebane
- Glud-Skjold jagtforenings flugtskydningsbane
- Grauballe Skyttekreds
- Gravlev flugtskydebane
- Grenaa Hjortebane
- Grenaa Jagtforenings 3D bane
- Grenå Skyttekreds riffelbane
- Gylling Sogn jagtforenings flugtskydebane
- Hadsten & omegns jagtforenings flugtskydningsbane
- Harlev jagtforenings flugtskydebane



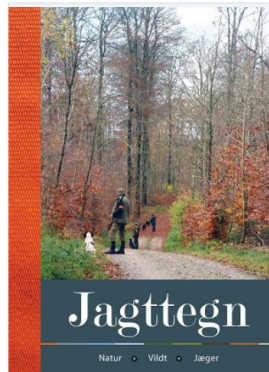


# Education of shooting instructors





# Education new hunters

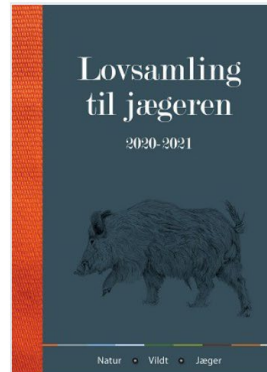


Jagttegn - inkl. login til  
jagtproven.dk

Varenummer: 403025

DKK 499,00

LÆG I KURV



Lovsamling til jægeren 2020/21

Varenummer: 403026

DKK 169,00

LÆG I KURV

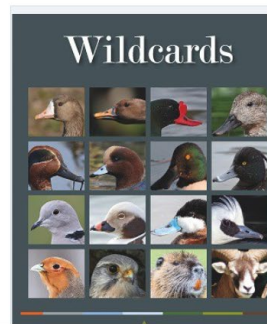
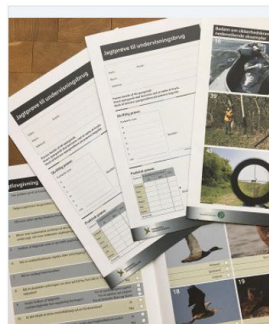


Login til jagtproven.dk

Varenummer: 403020

DKK 399,00

LÆG I KURV



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NATUR • VILDT • JÆGER

Søg

SØG



FORSIDE JAGTTEORI BLIV JÆGER TEST FILM LYDBOG E-BOG KONTAKT LOGIN



**Wildcards**  
– kort til vildtkending

Kender du de vildarter, som du kan være heldig at se i den danske natur? Bliv bedre til vildtkending, og lær om vildtets biologi med Wildcards.

Gæt en vildtart på kortets forside, og læs om artens kendetegn og biologi på bagsiden.

Kortene er tilegnet naturbrugere i alle aldre.

**Til naturinteresserede i alle aldre**  
køb et sæt Wildcards i netbutikken



**Netbutik** >>



**Jagtkursus** >>



**Køb Jagttegn**  
grundbog til jagttegnsundervisning >>



**Lydbog**  
Hent Jagttegn som lydbog (kræver login) >>









Competition  
shooting versus  
hunting-related  
shooting





# Hunting-relevant practice shooting!





# Hunting methods:

- 85% improvement in motorboat hunting - if done right
- Hunting at dusk time: Fewer shots, the darker it is - less wounding's
- Setting up decoys and hide right helps to reduce shooting distance

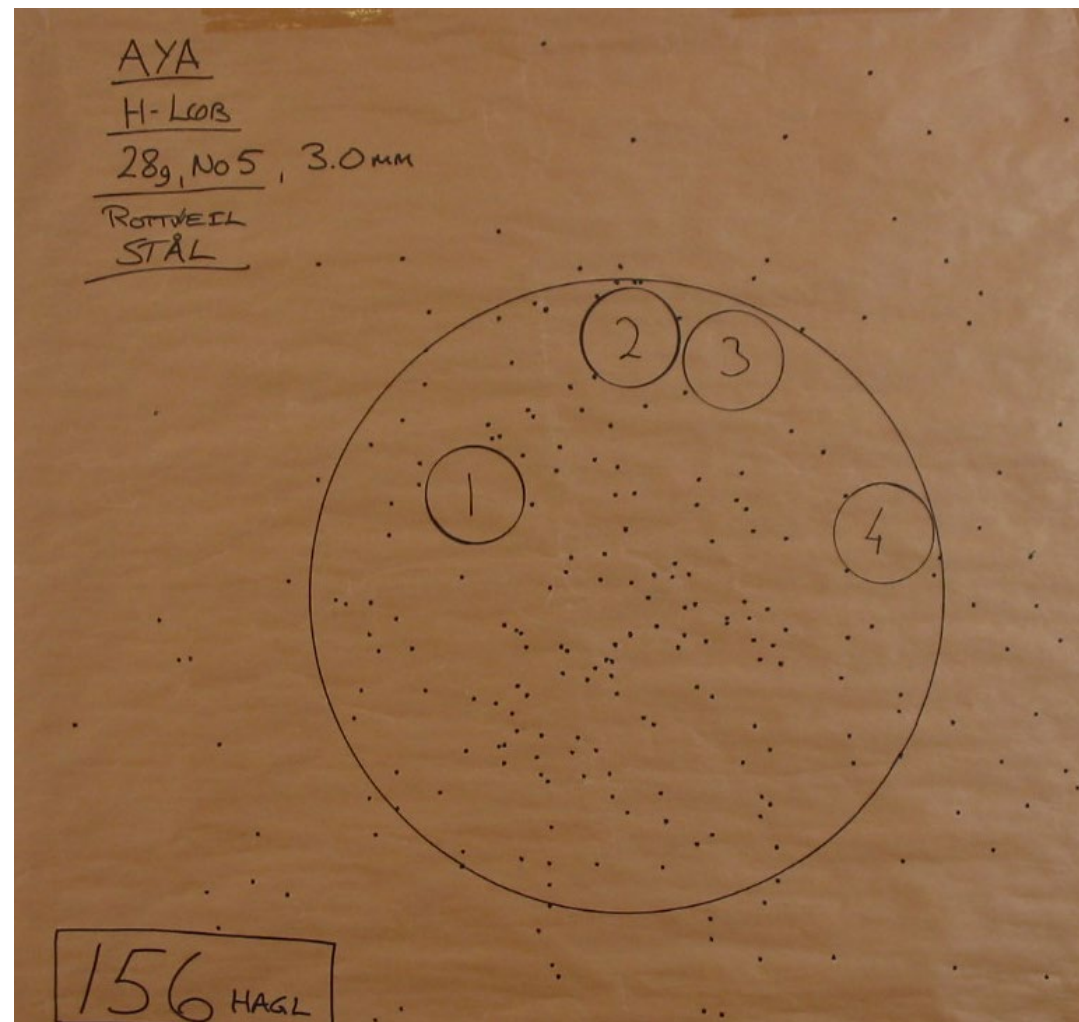
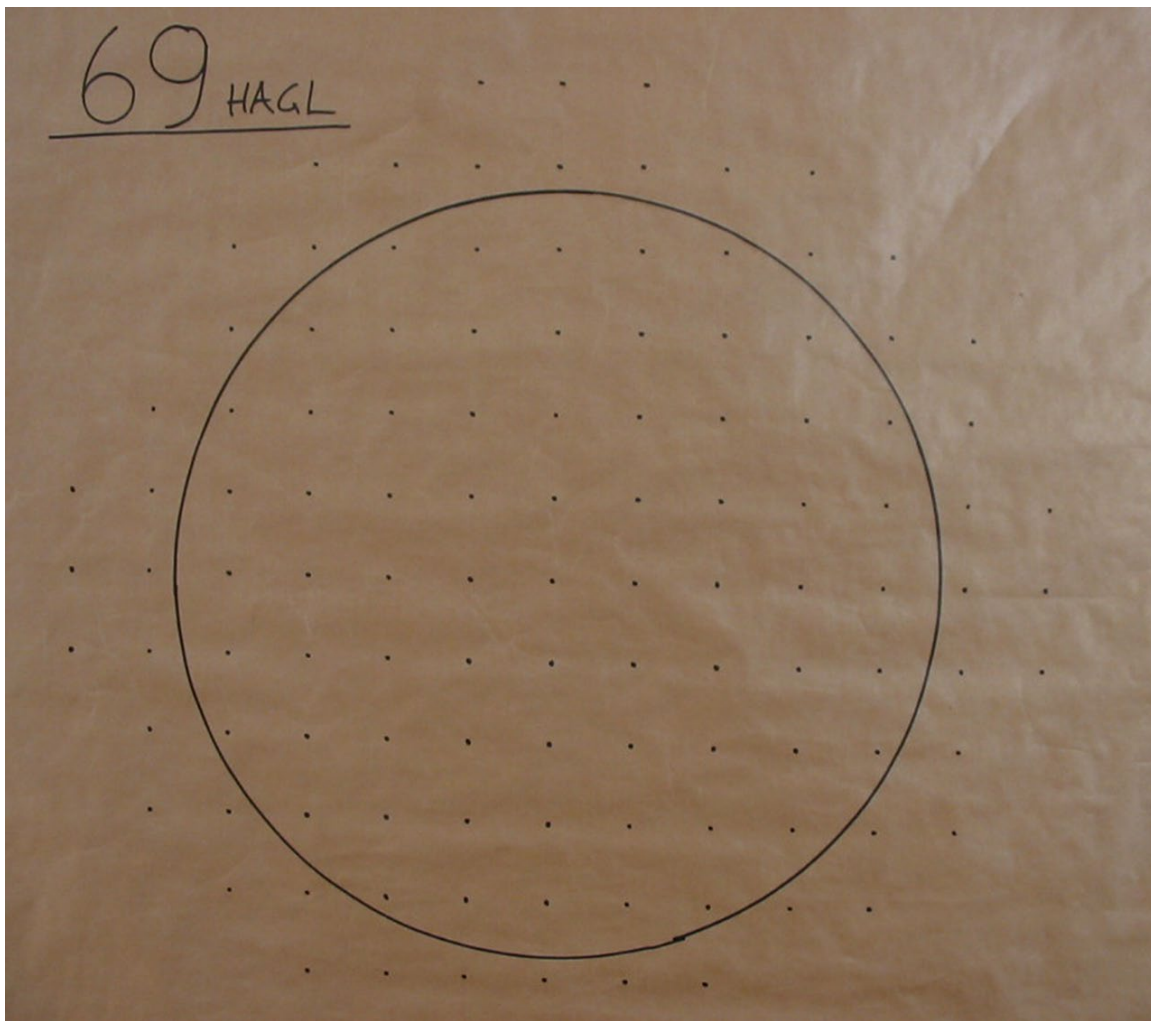




# Test shooting shotgun - finding the right cartridge for your gun



# Oberfell - Thompson method







Følg vildkonsulent i Himmerland Ivar Høst og en jagttegnaspirant til prøve.





## Haglskydeprøve







Konsulent Lars Thune Andersen fra Danmarks Jægerforbund viser, hvordan tilmelding til haglskydeprøven foregår via "[Mit jagttegn](#)".












-  Start
-  Udforsk
-  Abonnenter

-  Samling
-  Historik
-  Se senere
-  Videoer, du kan lide

### ABONNEMENTER

-  Musik
-  Sport
-  Gaming
-  Film

### MERE FRA YOUTUBE

-  YouTube Premium
-  Film
-  Gaming
-  Live
-  Sport
-  Indstillinger
-  Rapporteringshistorik
-  Hjælp
- 

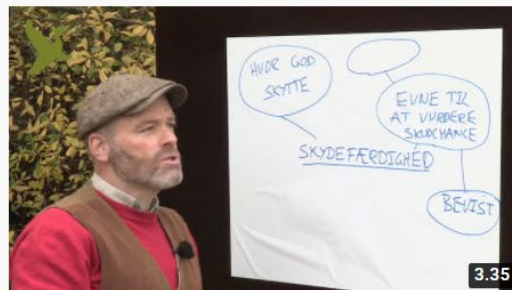
undgå anskydning



6.418 visninger • for 2 år siden

 Danmarks Jægerforbund

Lars Thune Andersen giver prakti



## Undgå anskydninger 5 -

1.708 visninger • for 2 år siden

 Danmarks Jægerforbund

Lars Thune Andersen forklarer, hv  
blevet ...

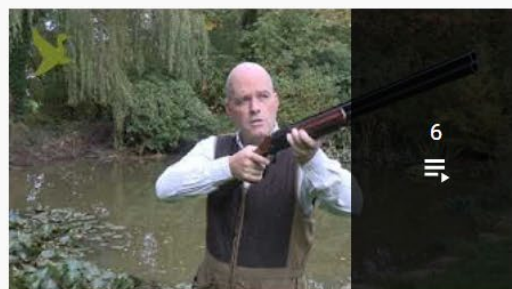


## Undgå anskydninger 2 -

4.653 visninger • for 2 år siden

 Danmarks Jægerforbund

Lars Thune Andersen fortæller hv



## Undgå anskydninger

Danmarks Jægerforbund

Undgå anskydninger 1 - Årsager •

Undgå anskydninger 2 - Prøvesky

SE HELE PLAYLISTEN



## Undgå anskydninger 4 -

1.764 visninger • for 2 år siden

 Danmarks Jægerforbund

# Red and yellow card

- Hunters were encouraged to give each other a red or yellow card when hunters didn't shoot at the right distance.
- Self justice among hunters are fare more efficient than authorities telling hunters what to do and not to do!





# Red and yellow card

- We have seen you shooting at fare to long distance!
- We have seen you wounding!





# Supervision/patrolling at fjord and sea - wildfowling

- Co-operation with the local state authority - wildlife consultant and the local member of the hunting club.





# What is good hunter craft?

"Well hunter craft is to do the right thing even when others do not see it - and although the wrong legal to do!"

Aldo Leupold

# Thank you for your attention!

- *Everyone is entitled to their own opinions, but not their own facts!*

-Detektor DR2-

