

Damages caused by herbivores on forests and fields



INVESTICE DO ROZVOJE VZDĚLÁVÁNÍ

Damages

- **feeding behaviour**
- **other damages (scraping with antler)**

Important factors affecting game damages

- High density of animals
- High feeding attractiveness of trees**
- Low quality of environment for herbivores**
- Turism and other stress factors**

Damages on forests the most important are ungulates

Shoots browsin on coniferous and deciduous trees









Bark stripping









Other damages





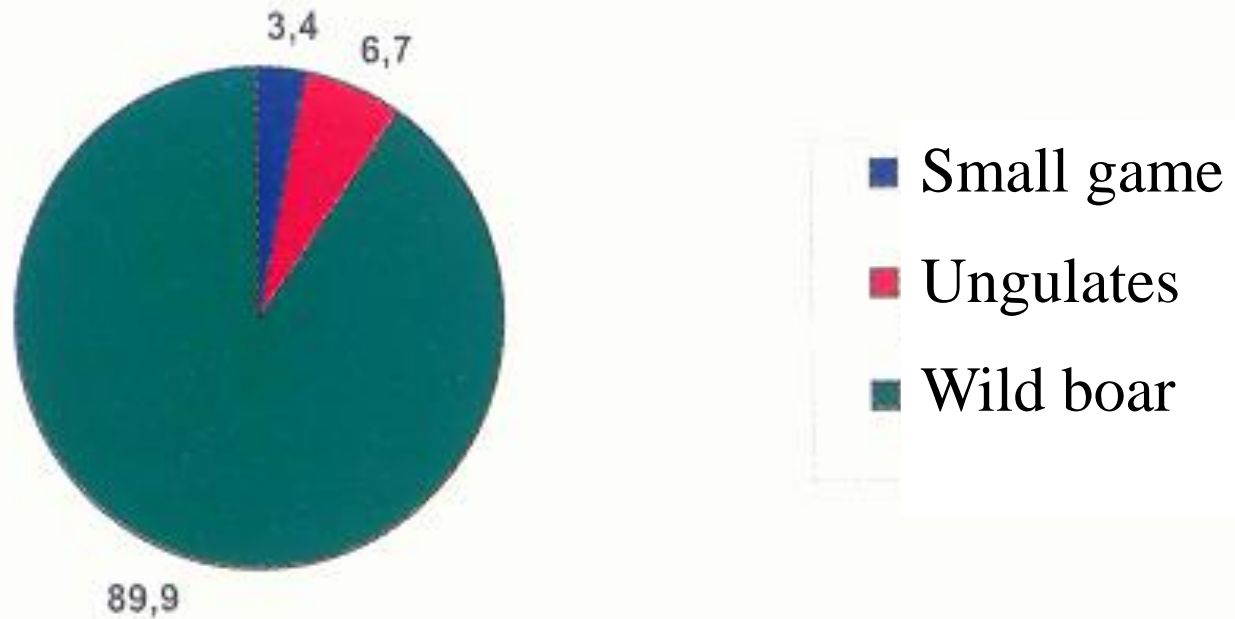




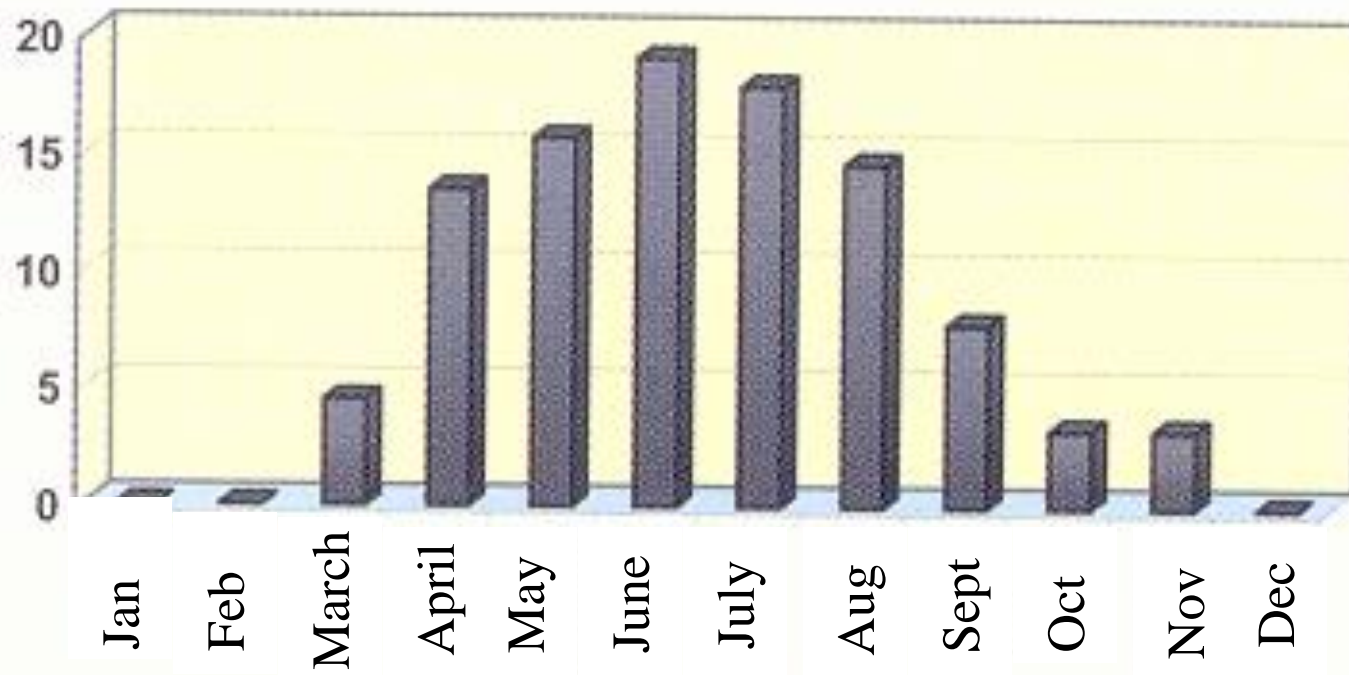


Damages on fields and meadows

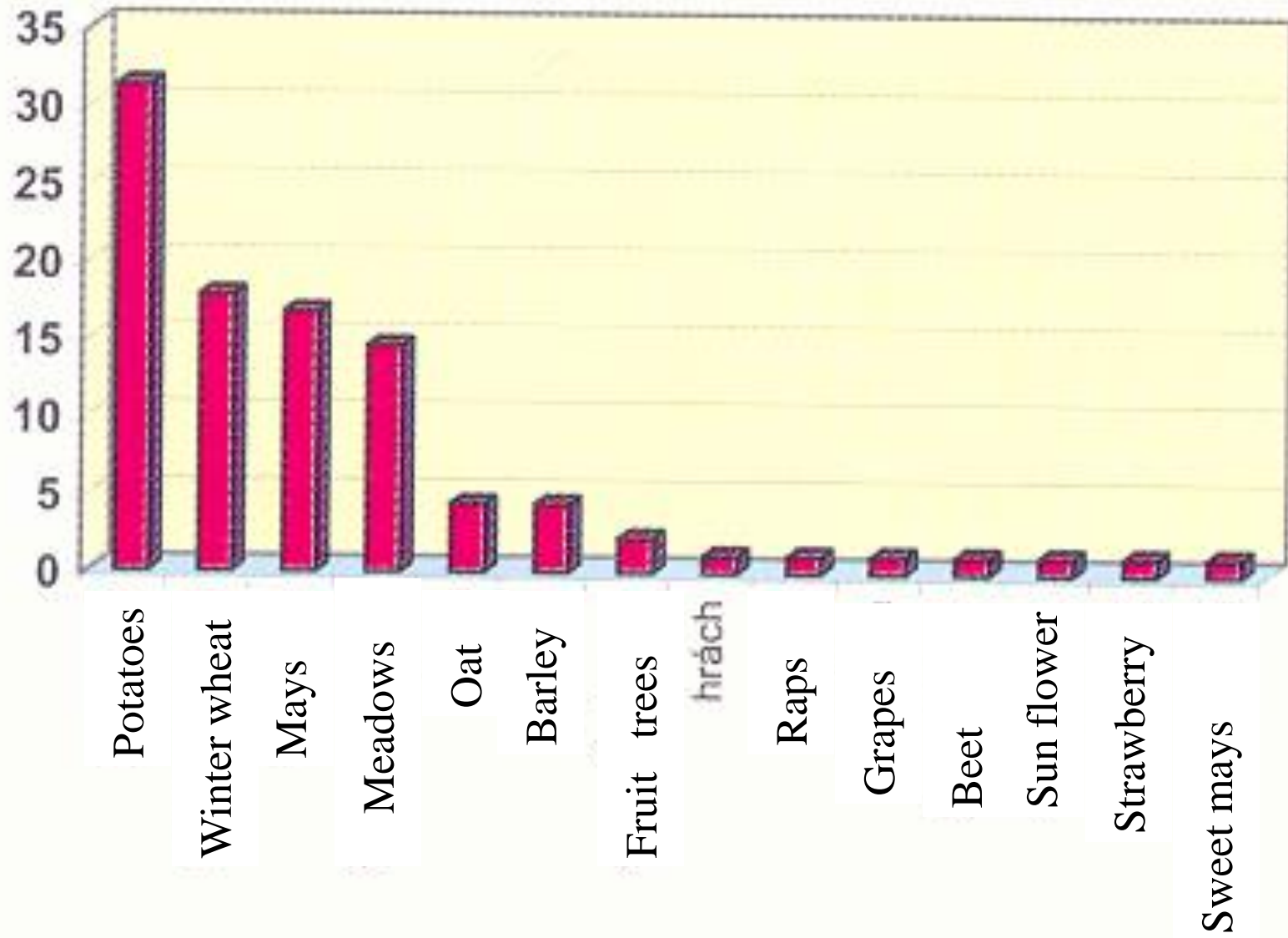
Important game species



Damages on fields during the year



Damages on important crops



Damages on important crops

Plodina	M ěsíc												
	I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	
wheat	okus listů					okus klasů, poškození porostu					okus listů		
cereals	rytí v porostech*									rytí v porostech*			
mays				osivo	okus listů			konzumace palic, poškození porostu					
sunflow					okus listů		okus úborů						
rape	okus listů									okus listů			
potatoes	rytí v porostech												
beet				okus listů				poškození bulev					
wheat			osivo	okus listů									
soya				Osivo		okus listů							
meado	rytí v porostech										rytí v porostech		
WS	rytí v porostech										rytí v porostech		
grapes	okus kůry										okus kůry		

Browsing on leaves

Browsing on seeds

Rooting by wild boar

Meadows and pastures – main problem is rooting by wild boar





Browsing on winter rape and cereals during winter



Browsing at the beginning of vegetation





Rooting by wild boar is often supported by the rests mays

Spring browsing on leaves



Sunflower – very attractive plants and browsing of terminals leads to great damages



Summer damages – corn is attractive



Wild boar







Letecké snímkování jako možnost kontroly poškození vysokostébelných porostů







Grapes and trees - bark stripping in winter



Responsibility in the Czech rep. 449/2001, §52

- Hunters are responsible for damages which on forests and crops caused by game and by hunting activities

Hunters does not pay damages:

- outside hunting areas
- on grapes without protection
- on not fenced gardens
- on trees outside the forests
- on crops of high value
- on crops which were not harvested in time
- on crops stored on the ground without protection against game damages

- On trees in forests which are protected by the fence
- Damages of trees browsed only on side shoots
(damage is only when is browsed the terminal shoot)

If is browsed max 1% of trees on one plot

- damages caused by protected game species (wolf, moose, bear, lynx, beaver) are paid by the goverment

Payment of damages- §55

- **Field crops** – the land owner must ask the hunter by 20 days from the beginning of damage (the exact calculation can be done by 15 days after harvest)
- **Forests** – once a year for damages between 1.7. - 30.6. – by 20 days

Protection against game damages - §53

- Both landowners and hunters should protect trees and crops by possible measures

A – biological measures

- Density regulation
- Social structure of game populations
- Protection against stress
- Care of food supply

B – technical measures

- Mechanical – fences, individual protection
- Repelents (optical, scent)
-



Electric fence









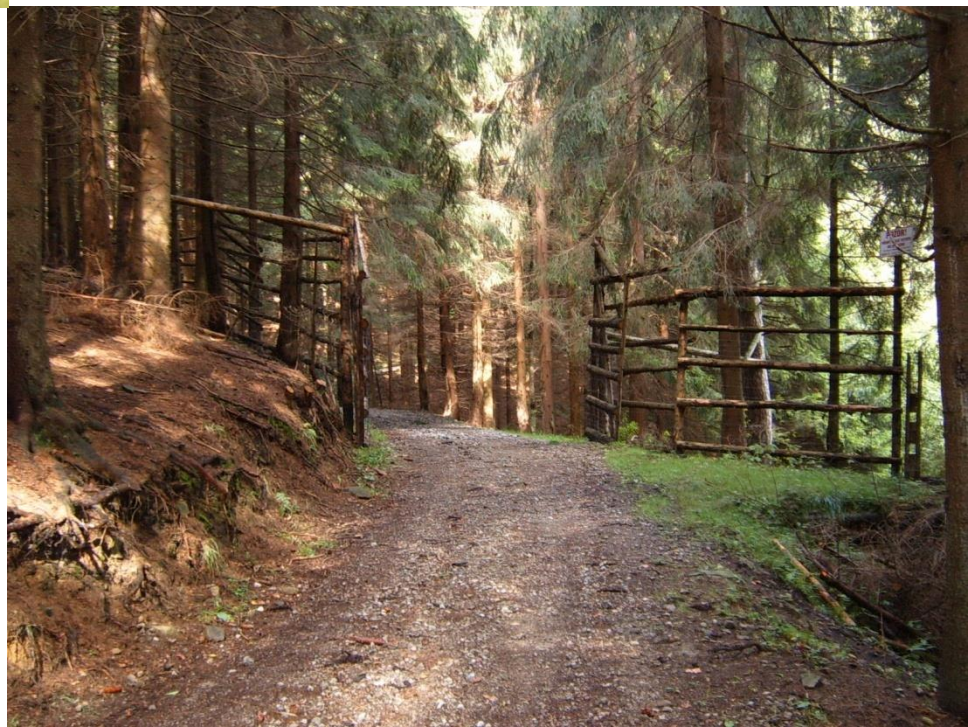
C – other measures

- additional feeding of game
- Wintering preserves for large herbivores
- meadows and fields for game
- system of agricultural measures
- Intensive shooting on fields



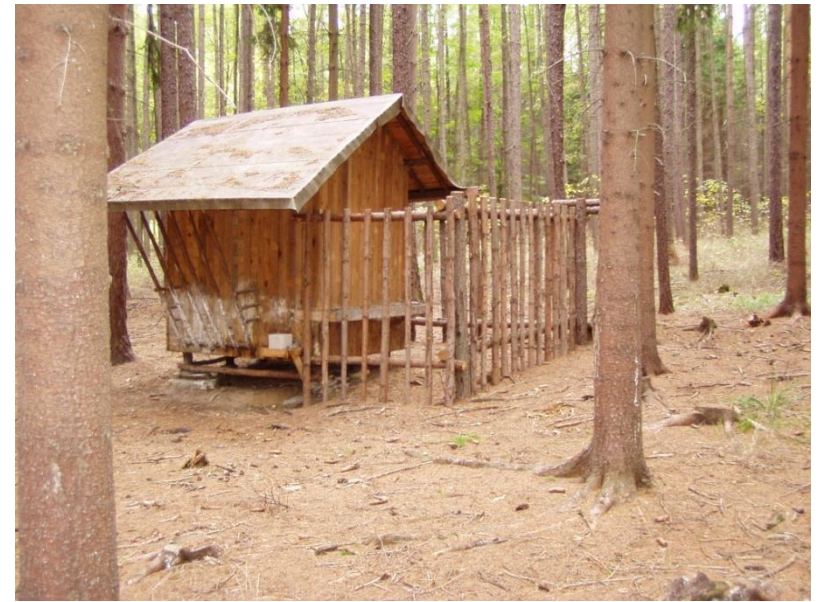
Wintering game preserves

- Fenced area about 5-20 ha
- it is possible to care of 20-50 animals
- Intensive feeding (low natural food supply)
- 1 preserve protect about 1-2 000 ha
- Animals are released in spring after starting the natural vegetation starts









Calculation of the damage

- On field is no exact methods
- On forests is č. 55/1999 3
- Solution of the damage is on dealing of landowners and hunters

Příklad rozmístění intenzity poškození pole u lesa

5t - 5%

Nehodnocená
plocha

4t - 20%

Hodnocená
plocha

3,5t - 30%

2t - 60%

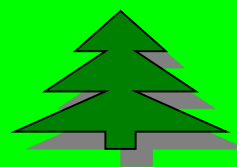
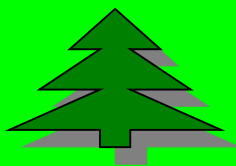
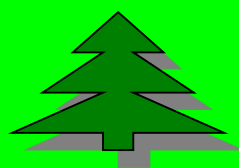
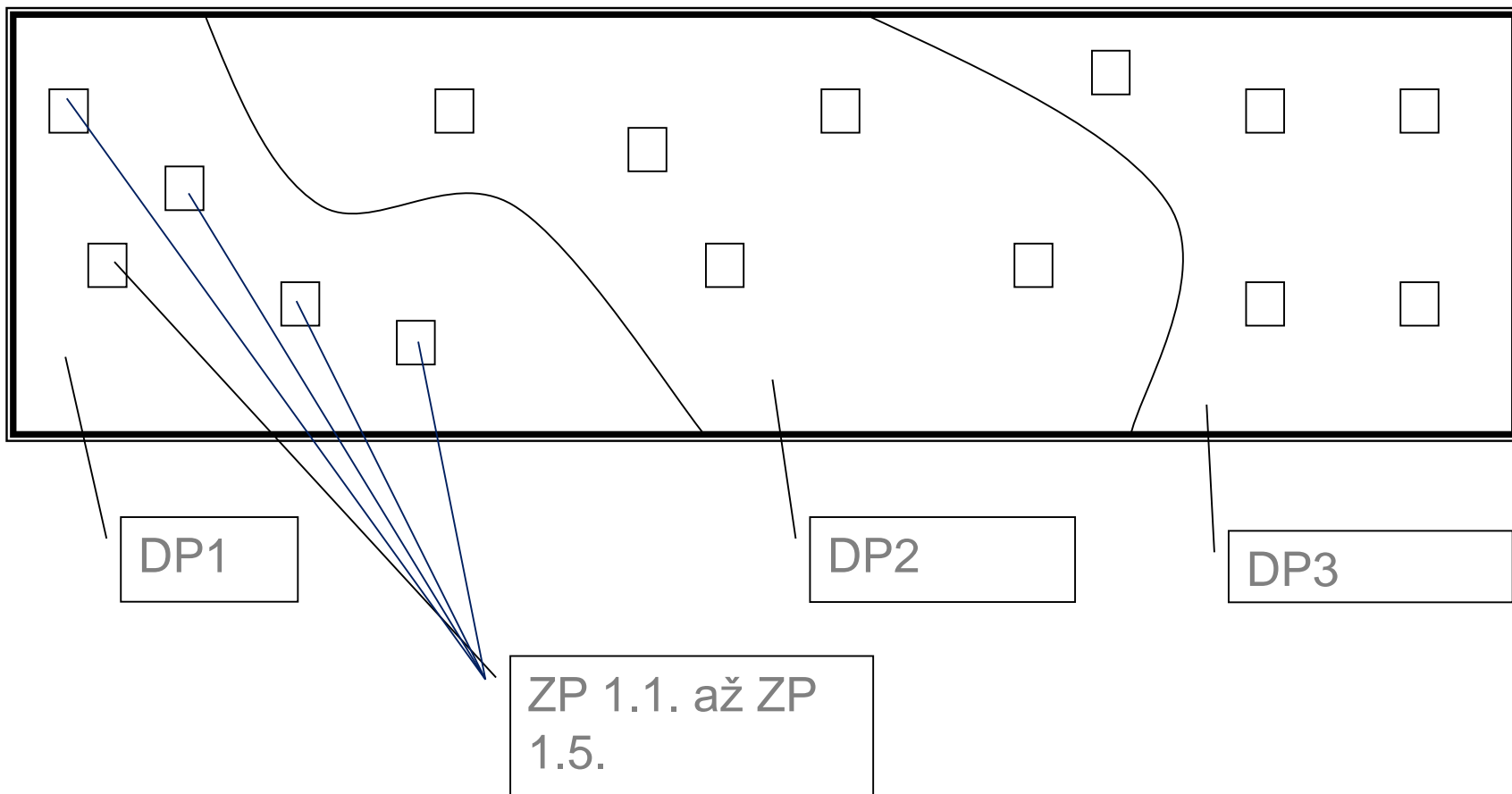


Schéma práce na poli:





Děkuji za pozornost