

Livestock-Wildlife Interactions – Note Guide

Livestock & Wildlife --- There's a Plan Managing Livestock & Wildlife Together

https://www.youtube.com/watch?time_continue=8&v=j-Q-TnCLLcg

Rangeland is managed by “Multiple Use Principles”

- Often mandated by law on public lands
- Desirable on most lands

But.... You can't please all the critters all the time

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Type of Interaction	Effect on species A	Effect on species B	Example
Mutualism	+	+	
Neutralism	0	0	
Competition	-	-	
Commensalism	+	0	
Antagonism	+	-	
Amensalism	0	-	

Competition?

Two species in same are using same resource...

often assumed **COMPEPTITION**

But, Competition only occurs if:

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Livestock → Wildlife: Potential **Positive** Impacts

Proper management

- Improve forage quality for wildlife
- Manage habitat and cover for wildlife
- Maintain water quality

Increased wildlife populations

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Land of Contrasts: Ranching's Commitment to Wildlife (www.youtube.com/watch?v=-4wwCqrsj8c)

Rancher often care deeply about wildlife on the lands they manage. In this video is an example of how ranchers in Washington worked with fish and game agencies to get the Columbia white-tail deer off the endangered species list.

Livestock →Wildlife: Potential **Positive** Impacts

Improved Forages:

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Cover:

- Reduce cover
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Habitat:

- Grazing – patchy, mosaic pattern
 - Create patchy habitat with high structural diversity.
 - Open up dense vegetation canopies
 - Feeding, nesting, and hiding sites
 - Encouraged establishment of shrubs
- Selective or targeted grazing to:
 - Create travel corridors
 - Remove rank grass
 - Stimulate browse production by reducing grass biomass
 - Manage weeds & fire risk

Livestock →Wildlife: Potential **Negative** Impacts

Improper grazing can:

- Reduced nest sites for upland game & waterfowl
- Trample nests
- Decrease water quality
- Disturb big game during fawning or calving
- Reduce cover to hide from predators
- Attract predators and parasites
- Transmit disease

Effects of **Ranches** on **Wildlife**

Don't forget... livestock grazing comes with human activities and structures as part of ranching.

Some are positive, some are negative:

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SS Cattle Company in Idaho (<http://www.youtube.com/watch?v=jXUd43QdMR4>)