



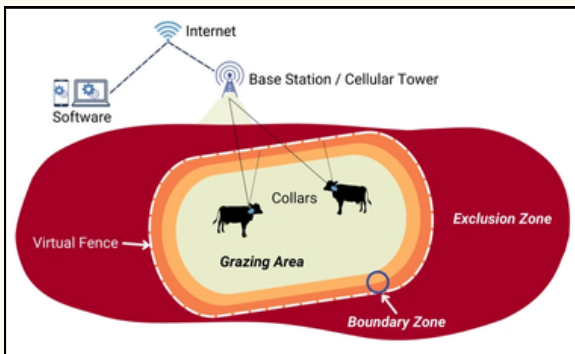
### Virtual Fencing: An Innovative Approach to Livestock Management



Virtual fencing is a groundbreaking technology that enables ranchers to effectively manage livestock distribution and grazing schedules in rangeland settings. This is achieved through GPS signals and reception towers, eliminating the need for traditional physical fences.

The required investment in traditional, physical fencing is substantial in both costs and labor, especially in complex terrain. Virtual fencing offers rangeland managers the flexibility needed to adapt to seasonal variations of forage quality, water availability, and climate conditions. As wildfires continue to rage across Asotin County, the destruction of physical fences is likely to increase, forcing land managers to invest in fencing repairs or replacement. With virtual fencing, rangeland managers can quickly reestablish boundaries for livestock in post-fire settings.

Above Photo: Cow fitted with a virtual fence GPS collar.  
Below Photo: Graphic showing basics of virtual fence technology.



### Ecological, Economical, Sustainable.

The key advantages of upgrading to virtual fencing are ecological, economical, and sustainable. Numerous successful studies have demonstrated the effectiveness and functionality of virtual fencing for livestock in Central Washington State and Eastern Oregon; however, this technology has yet to be adopted in Asotin County.

## Virtual Fencing Technology

Virtual fence is an emerging technology that can be useful grazing management

**AgNext**  
COLORADO STATE UNIVERSITY  
SUSTAINABLE SOLUTIONS FOR ANIMAL AGRICULTURE

#### How does it work?

Animals are fitted with a collar that communicates with a base station.

Animals and fence lines can be monitored on a remote device such as a computer.

#### Opportunities

- Know where your animals are
- Specifically & adaptively manage animals
- Improve forage quality
- Keep animals on and off certain areas

# Stock and Range Newsletter

## \*LIVESTOCK MANAGEMENT WORKSHOPS\*

Join us for FREE in-person workshops at the Asotin County Conservation District to learn about land stewardship, virtual grazing technology, manure management, protecting water quality, and more!

Location: 1397 Port Drive, Clarkston WA 99403

### COMMERCIAL LIVESTOCK AND RANGELAND MANAGEMENT WORKSHOP

NOVEMBER 18<sup>TH</sup> 10 AM - 12 PM

### SMALL FARM, LIVESTOCK, AND HORSE MANAGEMENT WORKSHOP

NOVEMBER 19<sup>TH</sup> 5:30 - 7:30 PM



COMMERCIAL LIVESTOCK WORKSHOP  
FEATURED GUEST SPEAKER:  
**TIPTON HUDSON**  
WASHINGTON STATE UNIVERSITY EXTENSION  
HOST OF "THE ART OF RANGE" PODCAST

*Tip Hudson* is a Professor at Washington State University Extension in rangeland and livestock management. Tip's work has focused on regenerative grazing, riparian management to support stream function and water quality, ecosystem monitoring, and grazing to address wildfire risk. Tip hosts a popular podcast called "The Art of Range."

Check out the podcast at [www.ArtOfRange.com](http://www.ArtOfRange.com)

## Commercial Livestock and Rangeland Management Workshop Learning Session Topics:

### *Virtual Grazing: Making New Technology Feasible*

- Learn about available virtual fencing technology, how to use virtual fence systems, grazing rotations, decision support tools, and more to manage for profitable and ecologically beneficial ranching enterprises.

### *Water Quality: Targeted Grazing and Clean Water*

- Protecting water quality is not just about following the law... it's also about protecting your operation, your livestock, your community, and your water supply from contaminants.

### *Wildlife Habitat: Benefits of Livestock on Rangeland*

- Learn about regenerative grazing, habitat enhancement techniques, and best management practices to increase your economic returns from the landscape and how to integrate wildlife management objectives into your farm plan.

### *Rangeland Management: Seeding, Weeding, and Manure Magic*

- Sustainable rangeland management will feed your livestock, reduce your costs, protect your soils, and keep noxious weeds at bay through agricultural stewardship.



## Got Manure? We can help with that.

Take advantage of your compost to super-charge your soil! Manure is a valuable fertilizer for crops and fields, but specialized equipment to screen and spread manure can be tough to find. ACCD has rental equipment available for livestock producers to help with manure management for large and small farms.

### Equipment Available For Rent:

Large-scale manure trommel.....\$10.00/Hour

Large-scale manure spreader.....\$50.00/Day

Small-scale manure spreader.....\$50.00/Day

Schedule your equipment rental with the  
Asotin County Conservation District:  
(509) 552-8117 info@asotincd.org

## USDA PEST ALERT: NEW WORLD SCREWORM

USDA, 2025: New World screwworm (NWS) is a devastating pest of livestock. It can affect any warm-blooded animal. It can also affect people. Untreated screwworm infestations can be fatal to livestock, wildlife, and humans.

Not controlling the pest in a livestock population can damage a country's economy and threaten the livelihood of livestock producers. It can cause millions of dollars' worth of production losses and economic damage. Screwworm also pose a threat to humans in infested areas.

The name "screwworm" refers to the maggots' feeding behavior as they burrow (screw) into the wound, feeding as they go like a screw being driven into wood. Maggots cause extensive damage by tearing at the hosts' tissue with sharp mouth hooks. The wound can become larger and deepen as more maggots hatch and feed on living tissue. As a result, NWS can cause serious, often deadly damage to the animal.

Adult screwworm flies are about the size of a common housefly (or slightly larger). They have orange eyes, a metallic blue or green body, and three dark stripes along their backs (*www.aphis.usda.gov*).

### NW SCREWORM PREVENTION:

The best way to keep screwworms out of the United States is to prevent their introduction. NWS can infest warm-blooded animals, including livestock, pets, wildlife, people, and birds.

- Make sure pets traveling internationally are inspected for screwworm.
- Handle livestock carefully and inspect pens and equipment for sharp objects that can cause wounds.
- Treat the umbilical cords of newborn animals and all wounds immediately with approved insecticide.
- Protect pets and livestock from other wound-causing parasites.



For more information about this pest, visit the USDA Animal and Plant Inspection Service (APHIS) Website:

[www.aphis.usda.gov](http://www.aphis.usda.gov)



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Website: [www.asotincd.org](http://www.asotincd.org)

### IMPORTANT UPCOMING DATES:

**ACCD Board Meeting: November 6<sup>th</sup> at 12pm\***

**Commercial Livestock and Rangeland Management Workshop:**  
November 18<sup>th</sup>, 10am-12pm

**Small Farm, Livestock, and Horse Management Workshop:**  
November 19<sup>th</sup>, 5:30pm - 7:30pm

**ACCD Office Closures:**  
NOVEMBER 11<sup>TH</sup>, VETERANS DAY  
NOVEMBER 27<sup>TH</sup> - 28<sup>TH</sup>, THANKSGIVING

### Fun Fact:

More than 99% of a beef animal is used, including for meat, leather, cosmetics, gelatin, and medicines. A single cowhide can produce enough leather for 20 footballs, 18 soccer balls, or 12 basketballs. A whole cowhide can also be used to make 144 baseballs.

Source: Topsfield Fair