



## Why Your Leadership Matters

### For Our Creeks & Streams

Nutrients are great for our crops, but they can become a problem in our streams. When they wash off fields, they can fuel toxic algae blooms, making the water unsafe for livestock and our families! They also remove oxygen from the water, creating “dead zones” where fish and other aquatic life can't survive.

### For the Land & Air

Healthy soil holds onto its nutrients. When nitrogen escapes into the air, it becomes a gas called nitrous oxide. This is a double loss: your crops can no longer use it, and it can disrupt the stable weather patterns every farmer counts on for a good harvest.

#### Sources

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James, D., & Topper, K. (2010). [Utah Fertilizer Guide](#). Logan: Utah State University Cooperative Extension.

Utah State University Extension. (n.d.). *Benefits of Riparian Buffers*. Retrieved from Utah State University Ag Waste Management: <https://extension.usu.edu/agwastemanagement/management-matters/benefits-of-riparian-buffers>

*If you take care of  
the land, the land will  
take care of you.*

—Louis Bromfield



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## Agricultural Runoff Stewardship



Common Sense Steps

# Hooper Farmers

Can Take

## Fertilizer Management Techniques

Smart fertilizing is all about precision. Applying nutrients at the right time and in the right amount ensures your investment feeds the crop, not the creek. This simple step boosts your yield while keeping our water clean.

For details on your specific crop needs, check out the ["Utah Fertilizer Guide" from USU Cooperative Extension.](#)

## Create Living Filters

Consider planting trees, shrubs, and grasses along the edge of fields to filter out excess nutrients in storm water runoff.

The article titled ["Benefits of Riparian Buffers" published by the USU Cooperative Extension](#) goes into more detail on some guidelines and benefits of buffer areas.

## Armor for the Soil

Planting cover crops in the off-season protects your soil. This prevents erosion while building the rich organic matter needed for future harvests, securing your legacy from the ground up.

The [USU Cooperative Extension's guide, "Cover Crops for Utah,"](#) is a handy source of information.



## Keep Livestock Away from Streams

Good fences protect both our herds and our water. Managing livestock access to streams prevents bank erosion and keeps our shared waterways clean. It's a simple practice for the long-term health of your animals and your land.

*Thank you, Hooper Farmers,  
for your stewardship  
in protecting our local  
waterways and providing  
a healthy environment  
for our community.*

