



UnderstandingAG™

# Nursery Production, Horticulture-Turf, Golf Course Management Regenerative Agriculture for Farmers and Ranchers

The management of suburban lawns, links-style golf courses and green spaces rely heavily on mechanization and chemistry to create an “ideal” look and traditional experience for customers. Increasingly, however, there is growing public concern about the chemicals being applied to our courses, lawns and public green spaces, and what impact they may have on human health and the environment.



## WHO WE ARE

Understanding Ag is a regenerative agricultural consulting company that provides the support and confidence to help our clients reduce input costs, generate actual net profits and ensure family farming futures. We accomplish this by educating and mentoring farmers, ranchers, landowners, businesses, and communities in the principles and practices needed to restore, repair, rebuild, and regenerate their farming and ranching ecosystems.

We are real farmers and ranchers who combine decades of experience to help our clients successfully implement regenerative agricultural and ecological principles that replace input-intensive practices, thus leading to profitable farming and ranching operations. Understanding Ag, LLC also offers consulting and planning services for multi-enterprise systems, businesses, organizations, institutions, and communities.

## Understanding Ag’s Better Management Business Model

There is also a growing realization that critical pollinators like Monarch butterflies and honeybees are diminishing to the brink of extinction, due in large part to loss of habitat and the widespread use of insecticides. Additionally, weather extremes and changing precipitation patterns are requiring managers to select and integrate more climate-appropriate/native vegetation and natural regenerative management practices to reduce water use, labor and input costs.

### UNDERSTANDING AG’S SERVICES INCLUDE HELPING MANAGERS UNDERSTAND, AND SUCCESSFULLY IMPLEMENT REGENERATIVE MANAGEMENT PRINCIPLES AND PRACTICES INCLUDING:

- Soil health analysis – baseline and ongoing.
- The integration of cover cropping into woody plant nursery and turfgrass sod production and management.
- The integration of animal impact (principally poultry, fowl, and small ruminants) into nursery/ turfgrass production and management.
- Sod production and turf/golf course management using regenerative practices.
- The application of the 6-3-4™ to horticultural production and management/golf course management.
- Improving soil health, reducing water consumption, and reducing overhead costs..
- Utilizing closed-loop nutrient management practices through the implementation of on-site composting of plant material.
- The application of on-site; grass clippings, leaves, general plant detritus – “homegrown” compost as a nutrient source.

- Site- or operation-appropriate system design guided by the 6-3-4™ to build beneficial insect populations, boost plants' natural immune defenses against pathogens and predatory insects, reduce use of herbicides, pesticides, fungicides, and synthetic fertilizers.
- The design of regenerative/resilient systems in conjunction with golf course architects, nursery operators, landscape managers.
- Ecosystem and riparian restoration from baseline assessment through system design/implementation and ongoing monitoring/assessment.
- Complying with food safety rules in a regenerative farming operation
- On-farm composting, compost teas and extracts made on farm.
- Designing resilient systems, integrating permaculture principles at scale
- Ecosystem and riparian restoration.
- Soil health analysis.

## 6-3-4™: The foundation of your regenerative success

At Understanding Ag, the core of our teaching is centered on what we term the 6-3-4™. This systemic regenerative approach contains the basic principles and rules that facilitate the successful application and implementation of regenerative agriculture. UA developed this system over the past several years and it has been used successfully in every corner of North America and in many other countries around the globe. Specifically, the 6-3-4™ refers to the Six Principles of Soil Health, the Three Rules of Adaptive Stewardship, and the Four Ecosystem Processes.

The planned, purposeful and intentional application of the Six Principles of Soil health and the Three Rules of Adaptive Stewardship allows growers, producers, managers to optimize the Four Ecosystem Processes and take advantage of nature's free resources.



No matter where you are located and no matter what your agricultural enterprises may be, success hinges on how well growers capture and utilize the resources that have been in place since the beginning of time. Simply put, the 6-3-4™ is the best and most proven way to make continuous regenerative progress.

