

AEA Pasture Approach and Budget

The applications below are designed to help growers succeed in a regenerative approach to pasture/hay crop nutrition. They are designed to be used once or more as standalone applications, and may be combined, in some cases, to greater effect. Estimated costs per acre are based on an average 80 acre field.

The suitability of this approach for your operation depends upon your specific needs and goals, when during the season you start working with us, and equipment availability.

Universal Post-Cutting Foliar: \$37/acre

To reduce plant stress due to cutting or grazing and to support rapid regrowth, mix the following products with at least 20 gallons of water and apply as a foliar 5-10 days after a cutting or grazing when there is at least 5 inches of leaf height.

- 4 quart **Forage Foliar**
- 4 quart **SeaShield**
- 25 gram **Micro5000 Organic**

Photosynthesis Support Foliar: \$45/acre

Best for fertile fields with low yield or high pest pressure. Mix the following products with at least 20 gallon of water and apply as a foliar 5-10 days after a cutting or grazing when there is at least 5 inches of leaf height.

- 2 quart **Forage Foliar**
- 2 quart **Accelerate**
- 2 quart **PhotoMag**
- 1 pint **Rebound Iron**
- 2 pint **Rejuvenate**
- 25 gram **Micro5000 Organic**

Micronutrient Foliar: \$35/acre

Best for highly NPK fertilized fields in need of micronutrients for enhanced vigor and resistance. Mix the following products with at least 20 gallon of water and apply as a foliar 5-10 days after a cutting or grazing when there is at least 5 inches of leaf height.

- 2 quart **MicroPak**
- 1 quart **SeaStim**
- 1 quart **HoloCal**
- 1 pint **SeaCrop**
- 25 gram **Micro5000 Organic**

Nitrogen Efficiency Program

- X= total amount of nitrogen product, not units of N
- Maintain 10:1 nitrogen to sulfur ratio
- 1 pint **Rebound Molybdenum*** (per acre)

- 3% of X as **Humacarb**
- 3% of X as **Rejuvenate** (optional)

The Nitrogen Efficiency Program makes best use of one of your largest and most expensive inputs. It complexes N with soil biology and the right mineral balance to provide slow release according to crop demand. This can reduce the dependency and cost of synthetic nitrogen inputs while still allowing biology its best chance for symbiotic function with plant roots. While it is not realistic to make universal recommendations given the wide variability in soils, crops, and management practices, we do commonly observe that many growers are able to reduce nitrogen application rates by 30%-50% from typical recommendations in the first year and produce the same or higher yields, compared to controls. The above calculations work in the majority of situations, yet the specific application rates may vary depending on need.

Nitrogen demand for hay and pasture is closely tied to the vegetative growth needs and plant varieties. This depends on sward mix, cuttings, moisture, etc. Moving or reducing N to multiple smaller applications is a key part of any N efficiency program and will result in major cost savings. Use sap analysis and other data to diagnose precisely whether the crop has adequate N.

Biological Enhancement Application: \$44/acre

Primarily for weak pastures and new plantings. Mix the following products with at least 20 gallons of water and apply as a foliar 5-10 days after a cutting or grazing when there is at least 5 inches of leaf height.

- 4 quart **Rejuvenate**
- 3 quart **Seashield**
- 1 quart **Forage Foliar**
- 25 gram **Spectrum**

Regenerative Soil Primer: \$57/ acre

The most effective step toward long-term soil regeneration, independent of crop-type, is to start in the fall with the **Regenerative Soil Primer**. This builds soil by increasing microbial digestion, building long-chain carbon structures, sequestering nitrogen, and recycling nutrients like phosphorus and essential micronutrients—all this can point to a decrease in your input costs for subsequent seasons.

- 5 quart **Rejuvenate**
- 2 quart **SeaShield**
- 2 quart **HoloCal**
- 1 quart **Rebound Boron**
- 25 gram **Spectrum**

Organic Foliar: \$33/acre

For organic certified fields where deficiencies are not yet documented, the below combination of products is unrestricted. Mix the following products with at least 20 gallons of water and apply as a foliar 5-10 days after a cutting or grazing when there is at least 5 inches of leaf height.

- 3 quart **SeaShield**
- 2 quart **SeaStim**
- 1 quart **SeaCrop**
- 25 gram **Micro5000 Organic**

Alfalfa/Legume Foliar: \$38/acre

For primarily legume fields. Mix the following products with at least 20 gallons of water and apply as a foliar 5-10 days after a cutting or grazing when there is at least 5 inches of leaf height.

- 2 quart **HoloK**
- 2 quart **Accelerate**
- 1 quart **Forage Foliar**
- 1 quart **HoloCal**
- .5 pint **Rebound Molybdenum***

**Molybdenum is a critical micronutrient for plants which enhances photosynthetic efficiency, nitrate conversion, and plant health. However it is known that ruminants can be sensitive to excessive molybdenum. Growers must take care to balance any inputs with their animals intake from molybdenum-treated hay and forage in addition to any other feed sources.*