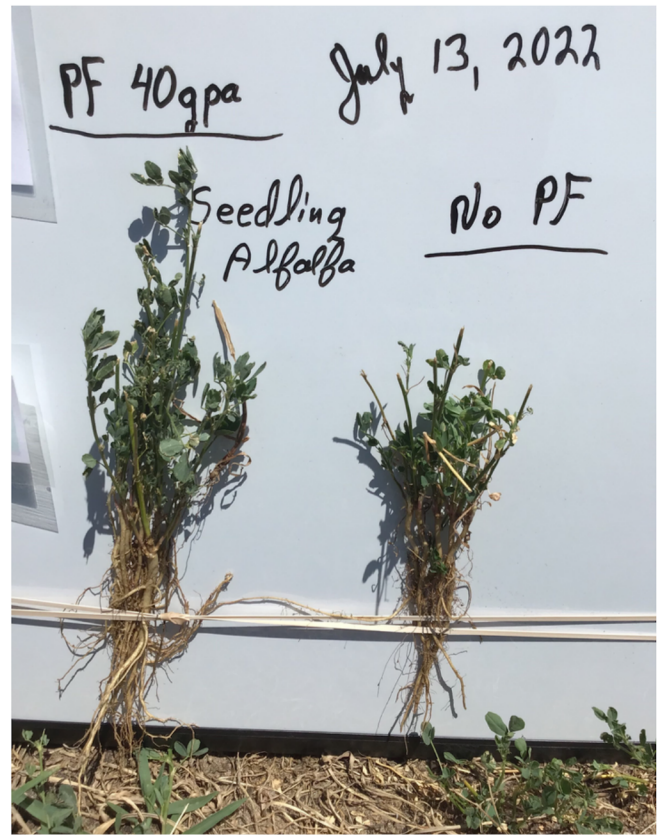


### LOCATION #1

6/23/22 - South Central Kansas - Alfalfa



### LOCATION #2

7/13/22 - Southwest Kansas - Alfalfa

## Soil Health Impact



### FROM THE FIELD

- Higher above-ground biomass
- Higher below-ground biomass
- More nutrient cycling
  - Increase available N, P, K
- Higher microbial activity
- More earthworms
- SOM stable or increasing
- Carbon stable or increasing
- Higher soil health scores



### FROM THE GREENHOUSE

- 40% higher above-ground biomass
- 53% higher below-ground biomass
- Higher rates of nodulization
- Earlier seedling emergence
- 10-20% higher germination rates
- Greater seedling vigor
- More resilience with temperature extremes.



## PrairieFood Performance Research



grown with  
**PrairieFood**

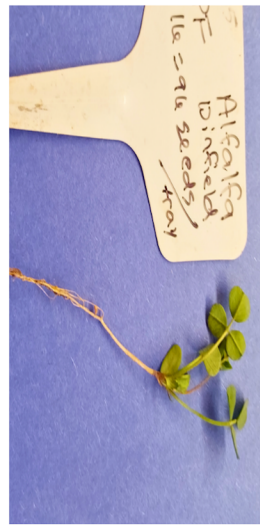


No PrairieFood

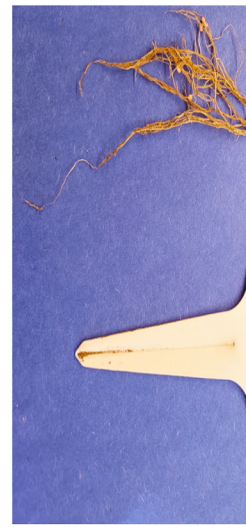
PrairieFood Research & Soil Health teams observed exceptional results with alfalfa in response to the use of **PrairieFood™**. A remarkable increase in soil organic matter (SOM) of **+2.5** points was noted in one trial and validated by independent experts.

Positive trial outcomes confirm combining **PrairieFood™** with regenerative agricultural practices can yield significant benefits. In this observation, no-till and cover crops were used with PrairieFood.

Alfalfa is notoriously hard on soil, often causing substantial loss of SOM and soil function, so the fact that PrairieFood supports soil health metrics with alfalfa is headline news.



No PrairieFood



grown with  
**PrairieFood**



grown with  
**PrairieFood**

Alfalfa emergence trials conducted in the PrairieFood greenhouse have shown consistently positive results, confirming field results in KS, NE, and CO. From better establishment and thicker stands to more rapid recovery after cuttings, **PrairieFood™** adds value.

See the PrairieFood advantage immediately with better seedling emergence rates and timing (images above and chart right). In addition, alfalfa seedlings grown with **PrairieFood™** show improved seedling vigor, greater root growth, and heavier set active nodulation (above right).

### Alfalfa Emergence Timing

