



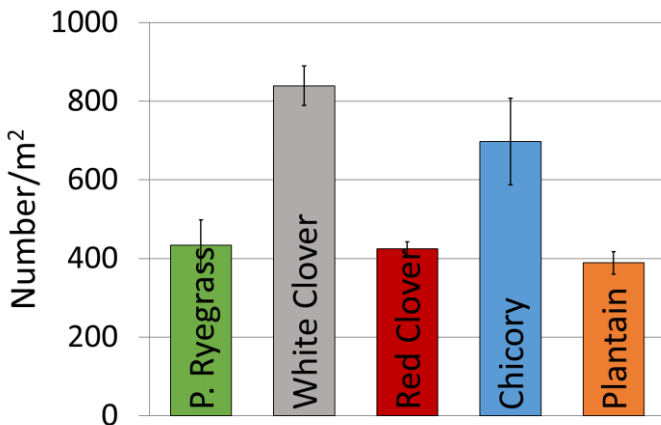
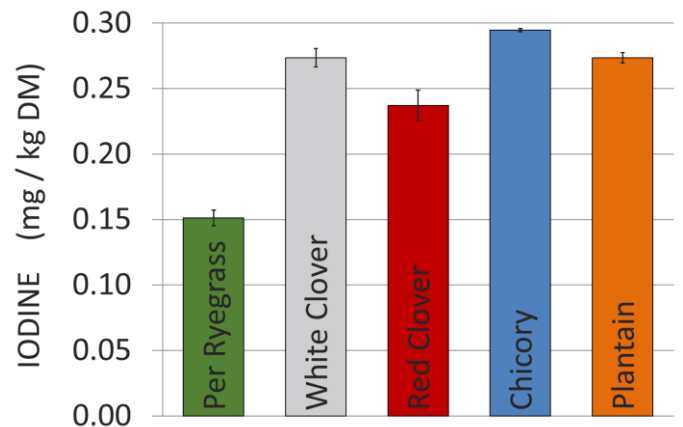
## SOIL IMPROVEMENT

We investigated how forages with differing root systems may provide a more sustainable approach to improve soils in grassland systems.

### MINERAL COMPOSITION

Chicory, plantain, red clover and white clover have rooting systems that can reach different soil nutrient resources.

For example, iodine content is higher in these forages compared to ryegrass.



### EARTHWORMS

Earthworms improve soil structure by breaking down organic matter and releasing nutrient for plant growth, therefore higher numbers are beneficial

### WATER INFILTRATION

Water infiltration rates are a good indicator of soil structure.

Alternative forages had faster infiltration rates compared to ryegrass, showing how different rooting systems help improve soil.

