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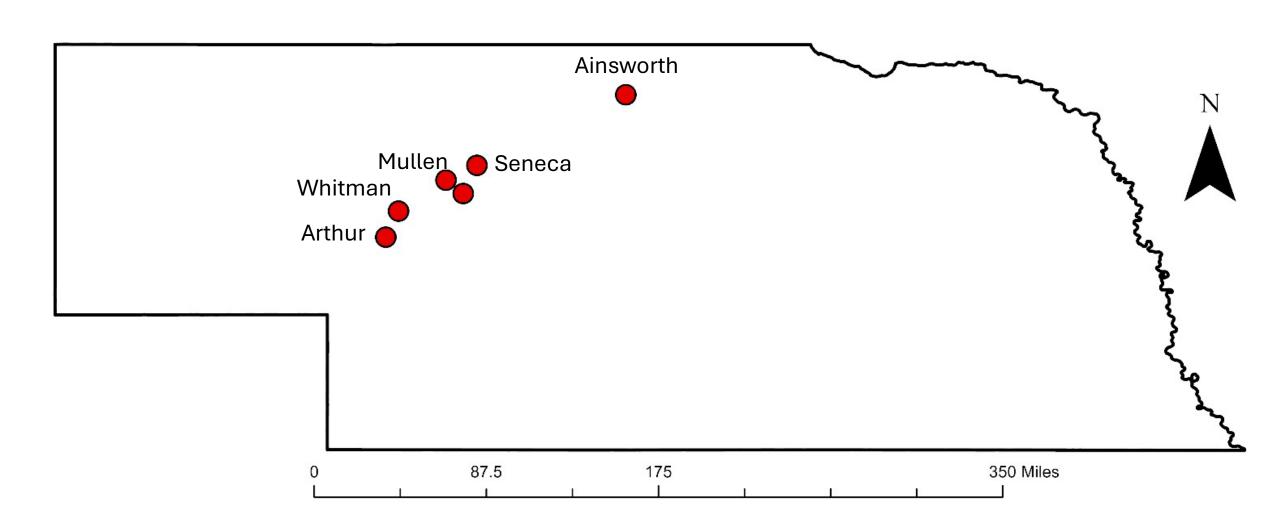








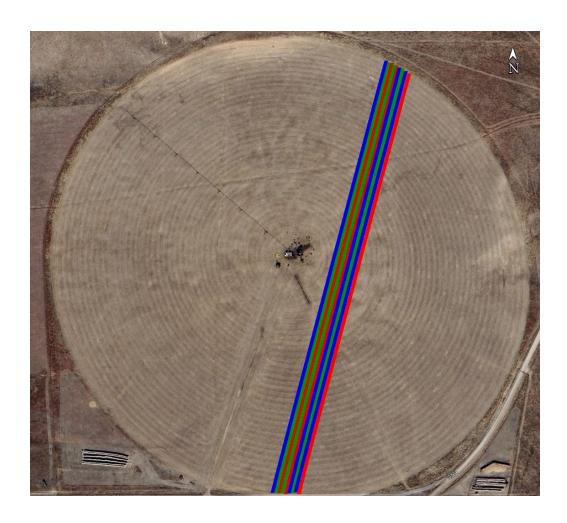
Location of summer forage variety plots



Summer forages tested and cost

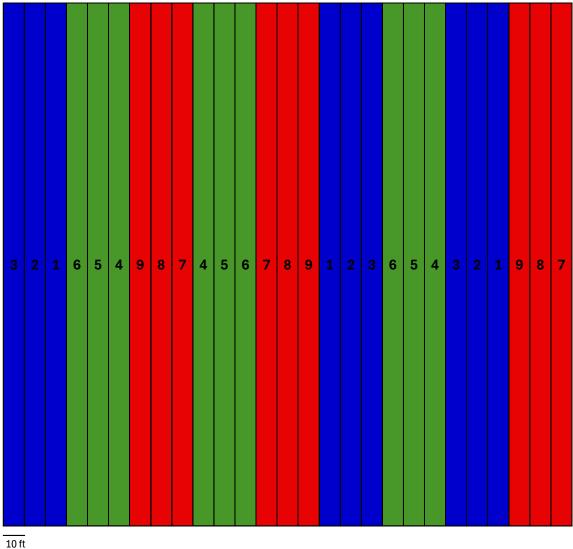
Forage name	Rate (lb/ac)	Cost (\$/lb)	Cost per acre (\$/ac)
1st Choice BMR SS	40	1.66	66.4
Honey Graze BMR SS	40	1.66	66.4
Hybrid Sweet Feed	40	1.66	66.4
Pearl Millet	30	1.72	51.6
Multi-Cut Mix	40	1.42	56.8
Winter Grazing Mix	40	1.37	54.8
Non-GMO Soybean	70	0.75	52.5
Honey Graze V SS	40	1.26	50.4
Hay N Graze SS	40	1.24	49.6
Pacesetter SS	40	1.15	46.1
Forage Silage Mix	20	1.45	29.0

Example of field trial



1st PASS 2nd PASS 3rd PASS 2nd PASS 1st PASS 3rd PASS

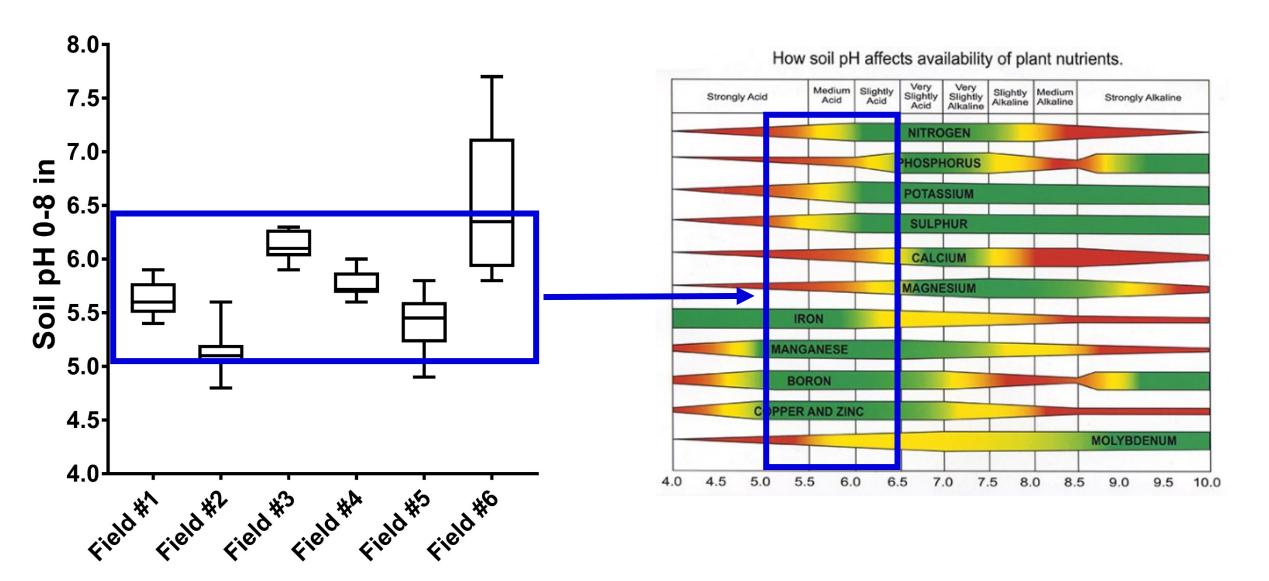
30 ft



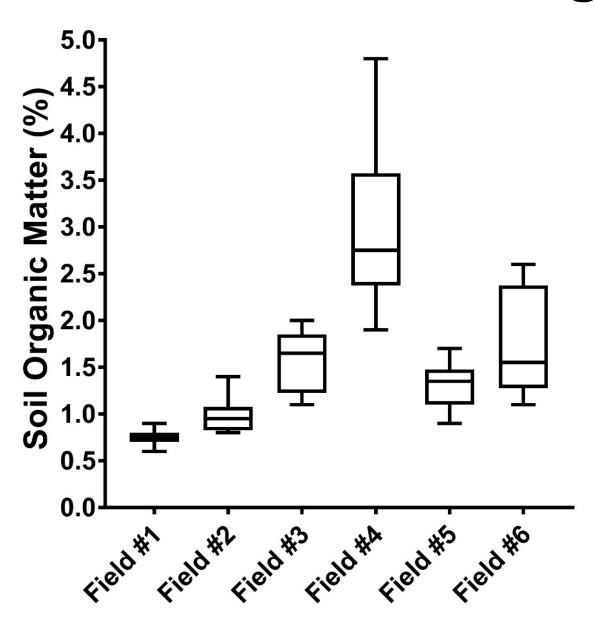
90 ft

2nd PASS 3rd PASS 1st PASS

Soil pH: variability and its relation to nutrient availability



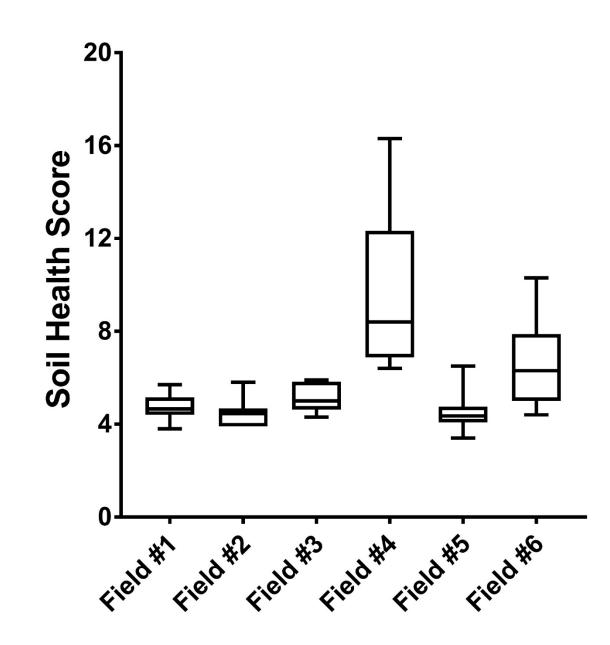
Soil Organic Matter



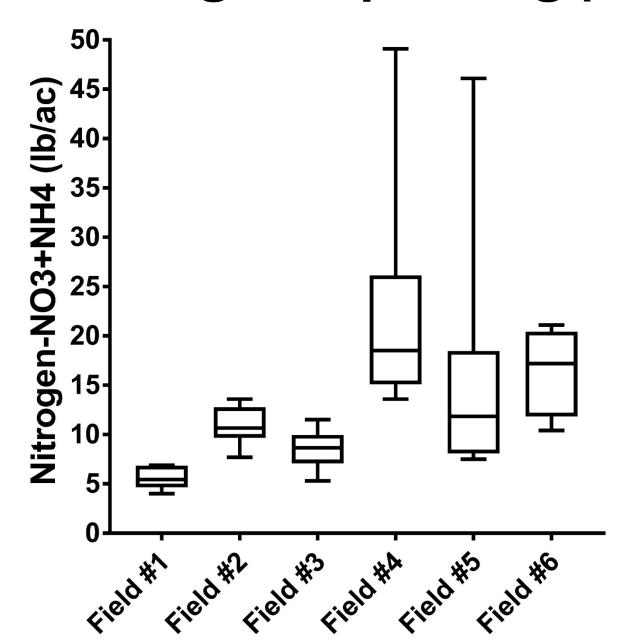
Options to improve Organic Matter:

- Increase production
- No-till
- Grazing vs haying or silage
- Manure application

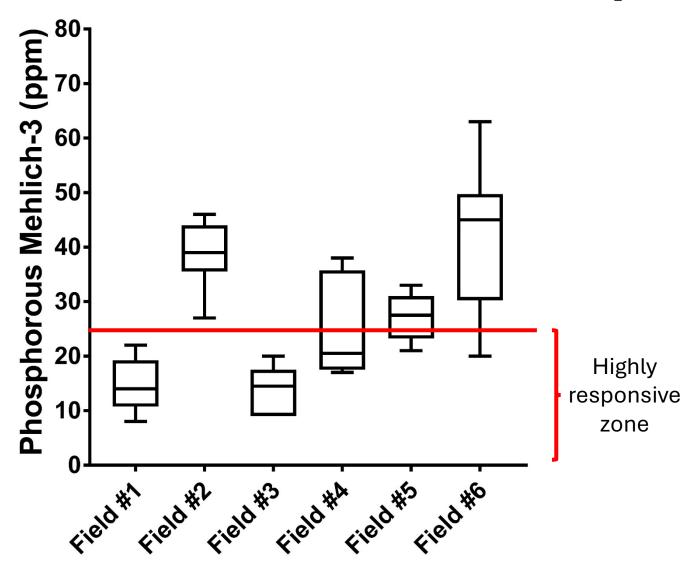
Soil Health Score



Soil Nitrogen at planting (N)



Soil Phosphorous (P)



Options to improve soil P levels:

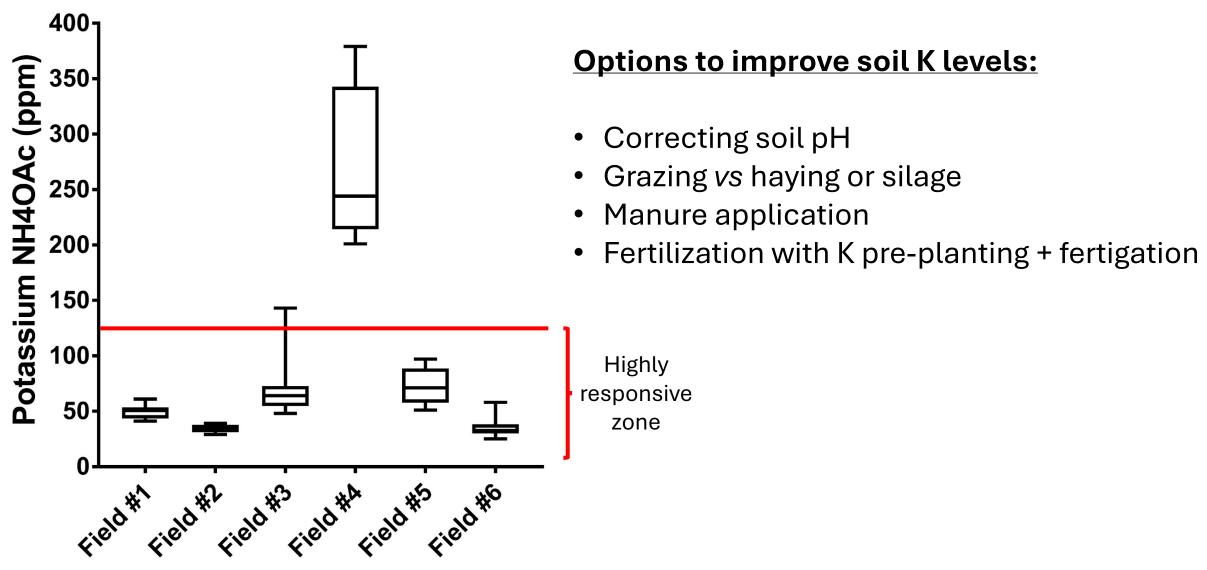
- Correcting soil pH
- Grazing vs haying or silage
- Manure application
- Fertilization with P below the seeds







Soil Potassium (K)





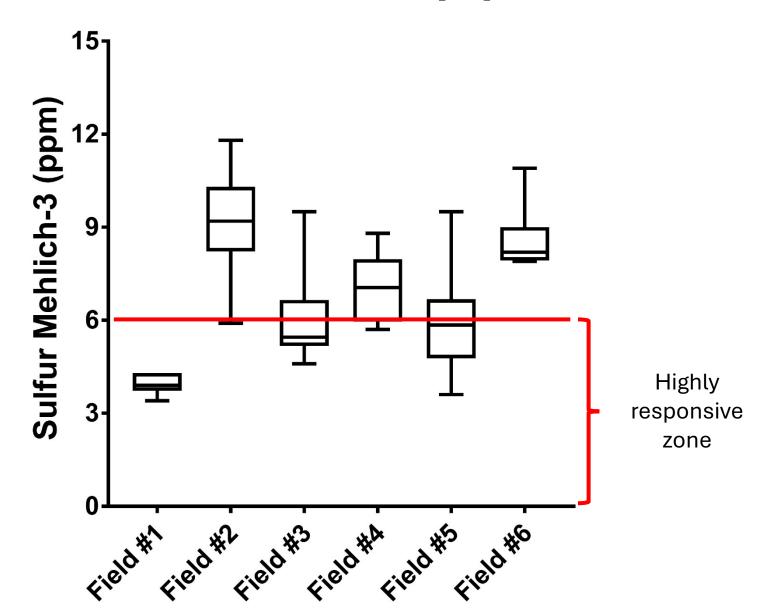




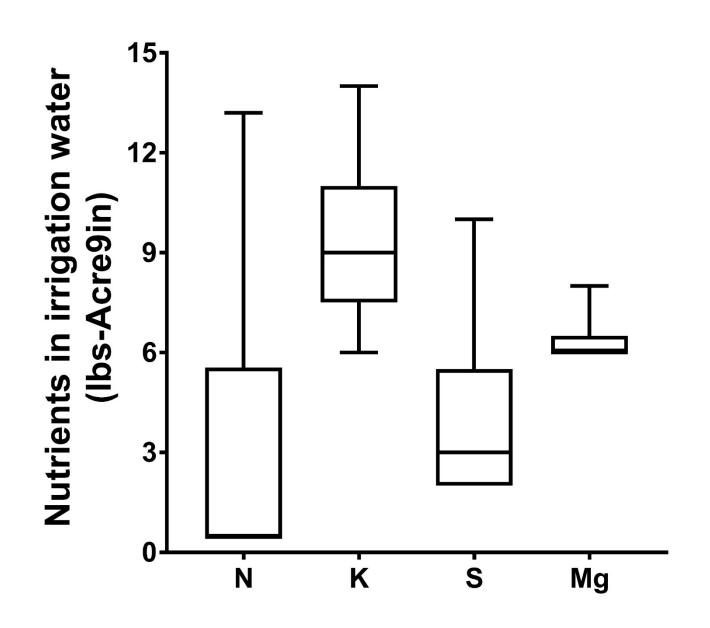




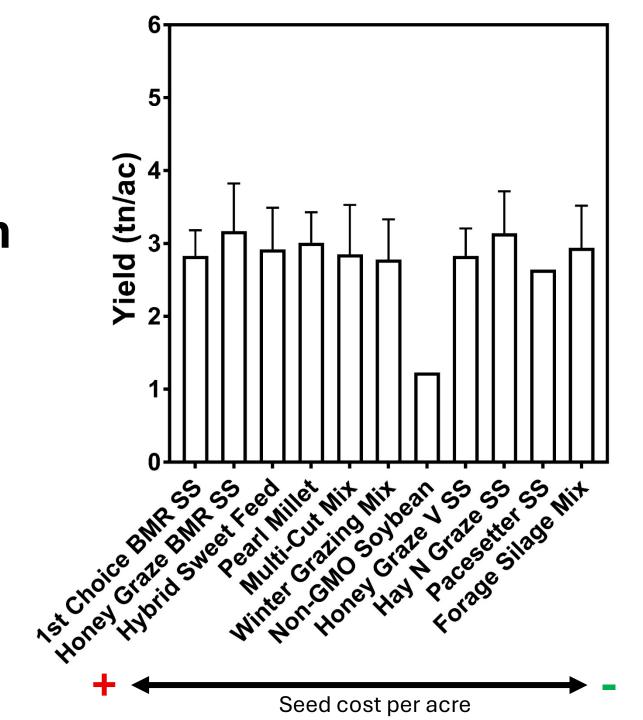
Soil Sulfur (S)



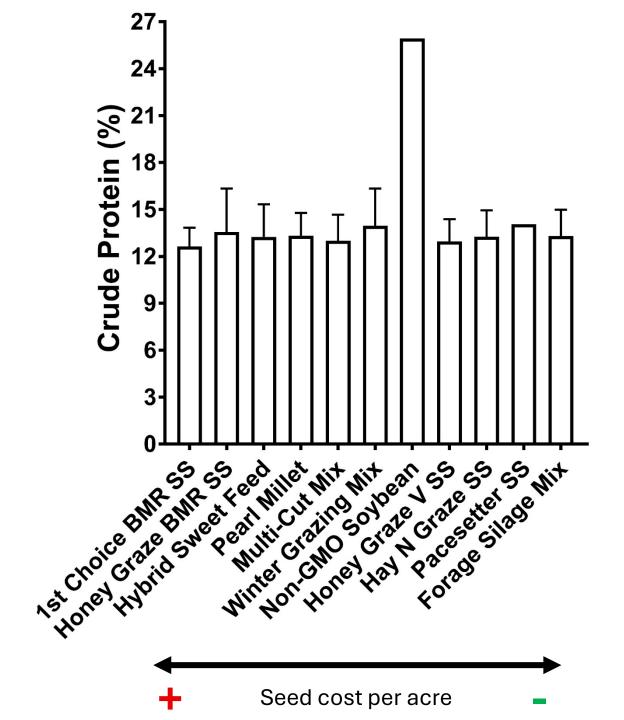
Nutrients in irrigation water



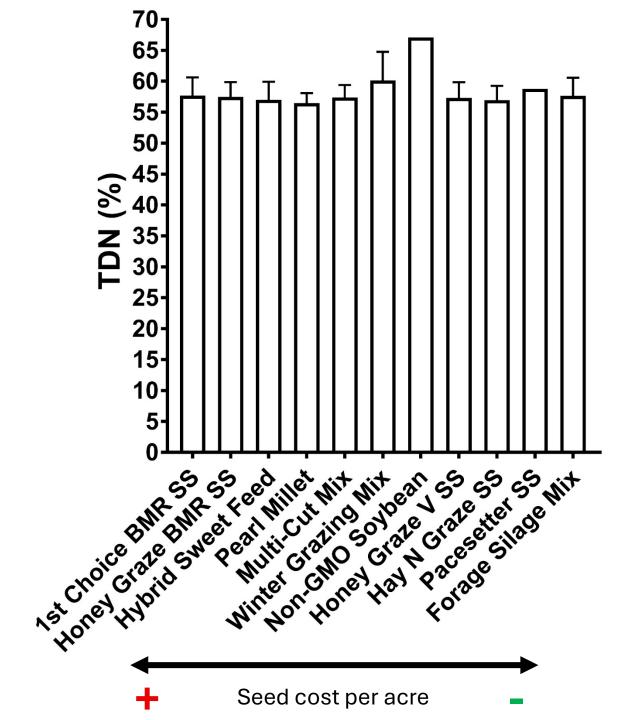
Forage production comparison across varieties



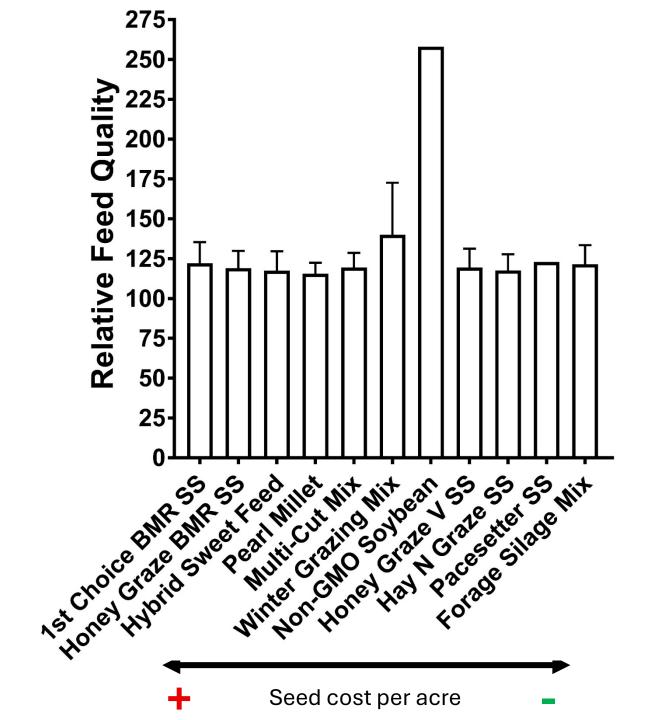
Forage quality comparison across varieties: Crude Protein



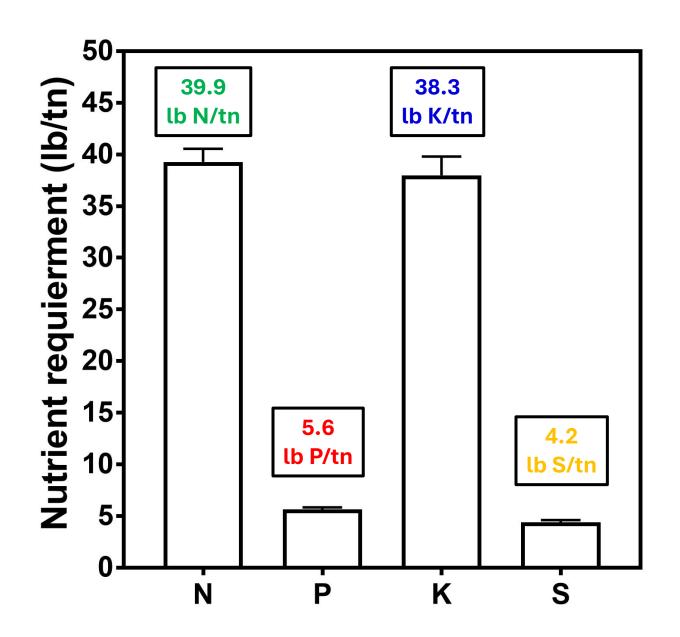
Forage quality comparison across varieties: TDN



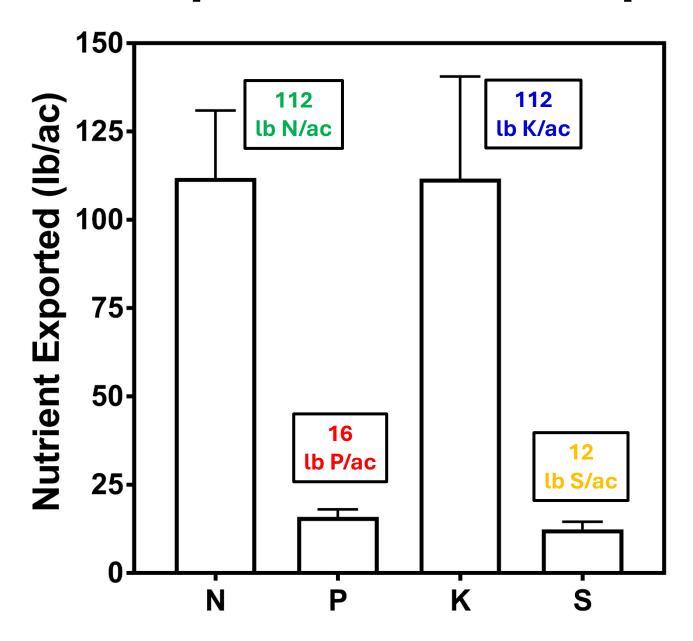
Forage quality comparison across varieties: RFQ



Nutrient Requirements for Forage Production

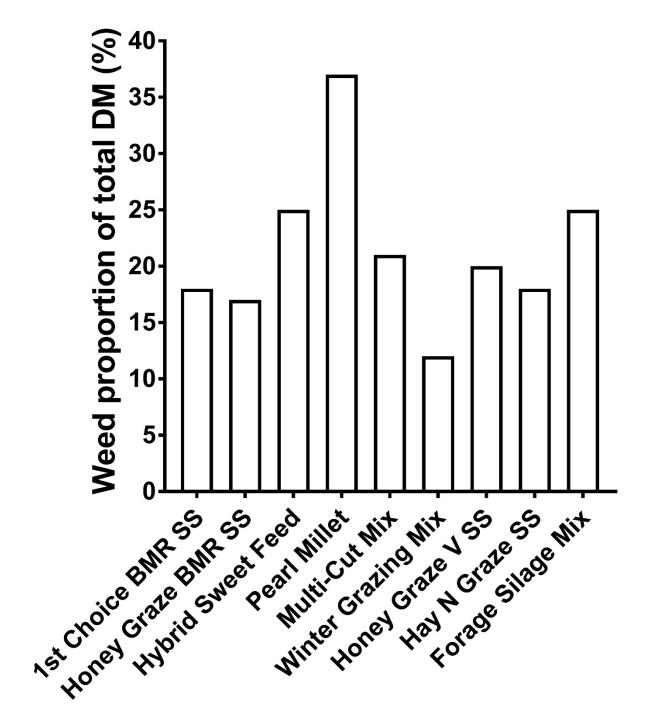


Nutrients Exported in 2024 Experiments





How much of the forage production was weed?





Thanks!

Questions?







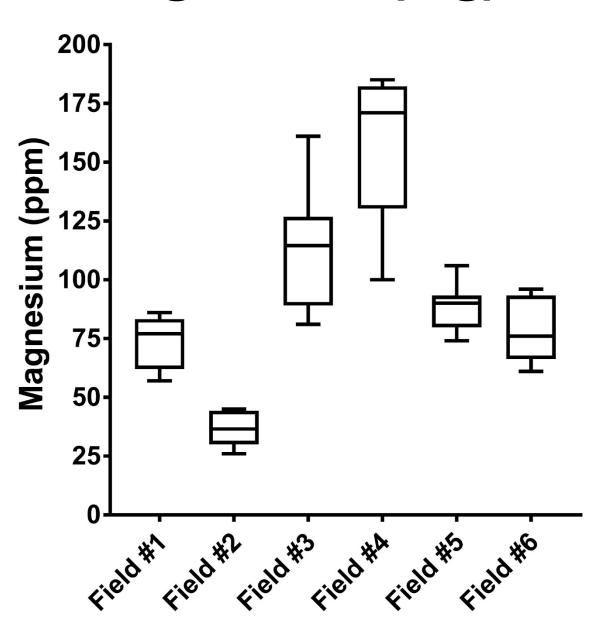








Magnesium (Mg)



Manganese (Mn)

