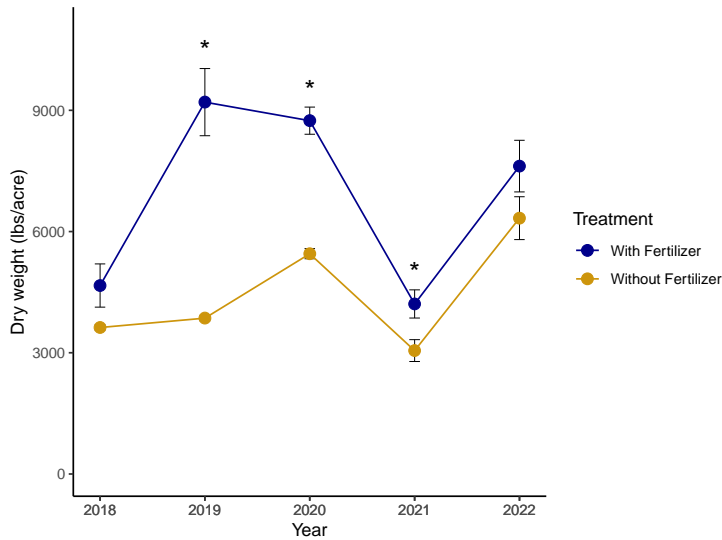




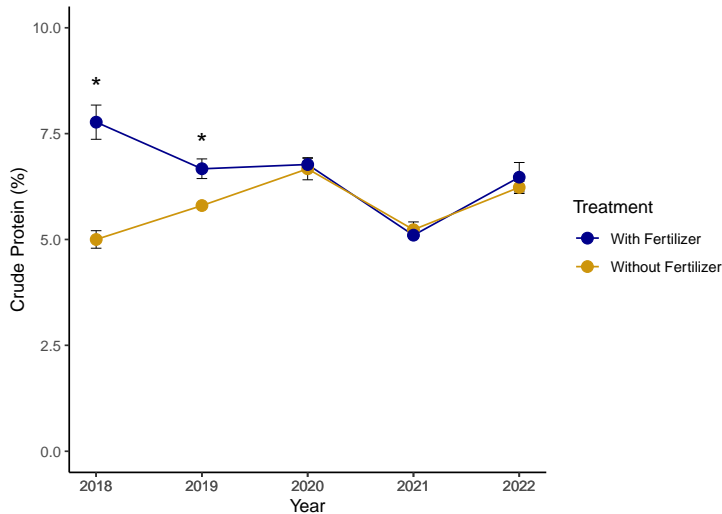
### Beaverton Fertilizer Nitrogen+ Trial Multi-Year Summary: 2018-2022

Dry Weight Response 2018-2022

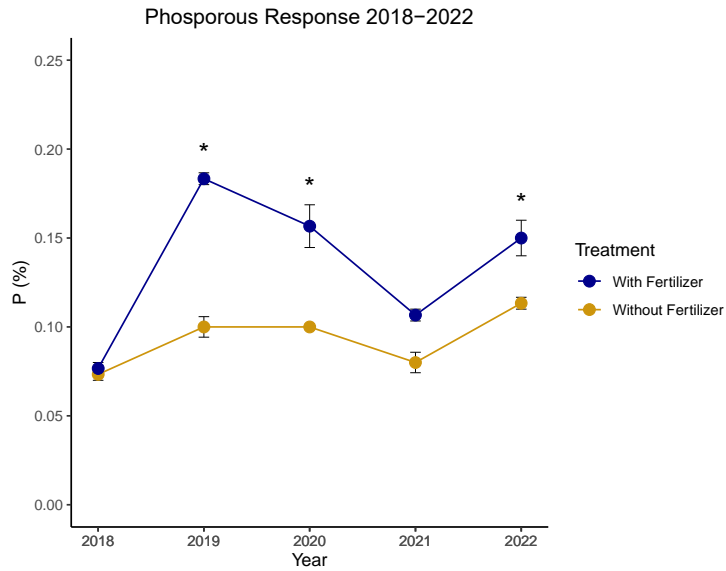


**Figure 1.** Forage yield as dry weight (lbs/acre) from 2018 to 2022 for plots with and without single application of fertilizer in 2018. \* Indicates significant difference ( $p < 0.05$ ) between treatments within year.

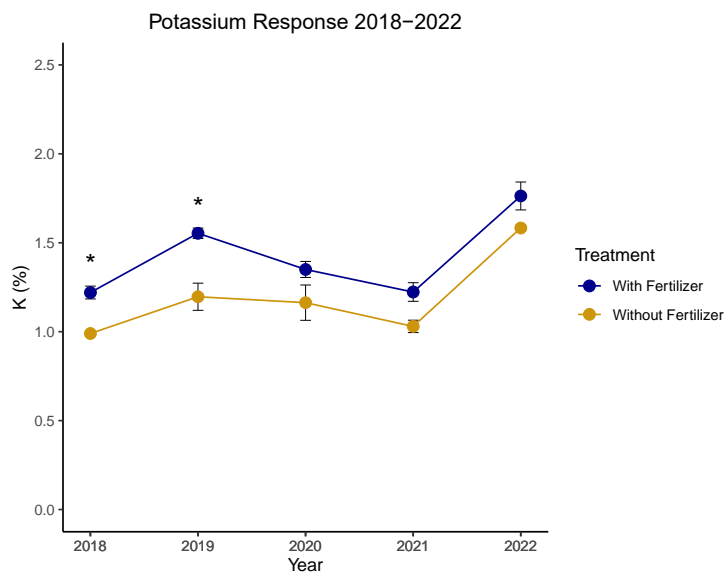
Crude Protein Response 2018-2022



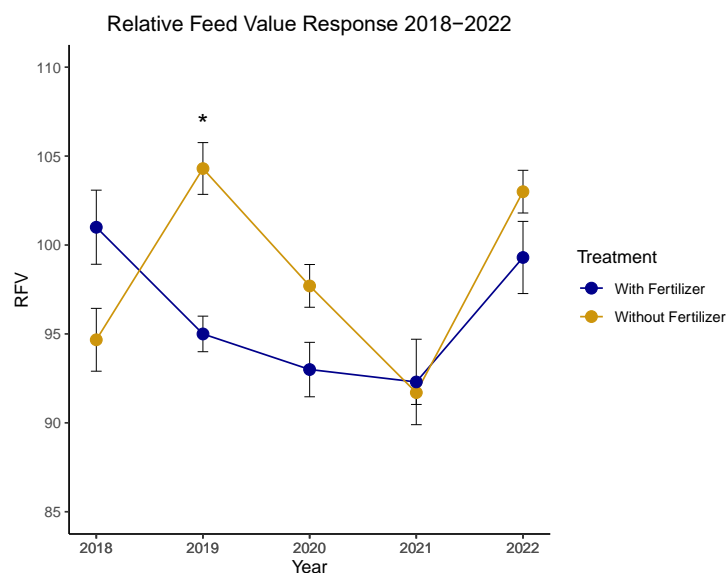
**Figure 2.** Forage crude protein content (% dry basis) from 2018 to 2022 for plots with and without single application of fertilizer in 2018. \* Indicates significant difference ( $p < 0.05$ ) between treatments within year.



**Figure 3.** Forage phosphorous (P) content (% dry basis) from 2018 to 2022 for plots with and without single application of fertilizer in 2018. \* Indicates significant difference ( $p < 0.05$ ) between treatments within year.



**Figure 4.** Forage potassium (K) content (% dry basis) from 2018 to 2022 for plots with and without single application of fertilizer in 2018. \* Indicates significant difference ( $p < 0.05$ ) between treatments within year.



**Figure 5.** Forage relative feed value (RFV) from 2018 to 2022 for plots with and without single application of fertilizer in 2018. \* Indicates significant difference ( $p < 0.05$ ) between treatments within year.

### Trial Methods

5/19/18 & 5/23/18 - Applied organic fertilizer 117lbs N, 130 lbs. P, 330 lbs. K per acre as K+SOP (0-0-50) @ 660 lbs./acre, Bone Meal (4-13-0) @ 1000 lbs./acre, Feather Meal (11-0-0) @ 700 lbs./acre

7/3/18 - Sampled forage yield and quality

July 2018 - Hayed

6/20/19 - Sampled forage yield and quality

6/21/19 – Hayed

6/19/20 - Sampled forage yield and quality

July 2020 - Hayed

6/29/21 - Sampled forage yield and quality

July 2021 – Mowed (biomass left in place)

6/14/22 - Sampled forage yield and quality

For more information, please contact Brook Brouwer at [brook.brouwer@wsu.edu](mailto:brook.brouwer@wsu.edu)

### Acknowledgment

Access to the Beaverton Preserve for this research was provided by the San Juan County Land Bank.

### Citation

Walton Andrews and Brook Brouwer. 2022. Beaverton Fertilizer Nitrogen+ Trial Multi-Year Summary: 2018-2022. WSU San Juan County Extension Trial Report.

<https://extension.wsu.edu/sanjuan/ag-researchreports/>