

Current Meadow Grass Hay Analysis for Sparrow Valley Ranch

1. Protein (11.63%)

Adequate for most adult horses at maintenance or light work. May be low for growing, lactating, or performance horses without supplementation.

2. Fiber (ADF 36.94%, NDF 59.46%)

Moderate levels; digestibility and intake are acceptable. Will support normal gut motility.

3. Sugars & Starch (ESC 4.56%, WSC 8.45%, Starch 1.16%, NSC 9.61%)

NSC under 10% is **good** for horses with insulin resistance, PPID, or laminitis risk. Safe profile.

4. Energy (TDN 52.19%, DE 0.93 Mcal/lb)

Moderate energy; suitable for maintenance and light work. May need higher energy forage or grain for hard keepers or athletes.

5. Minerals

- **Calcium (0.70%) & Phosphorus (0.17%)** – Ca:P ratio ~4:1, which is **too high**. Add P if feeding large amounts.
- **Potassium (3.32%)** – Supports hydration and muscle function in healthy horses. Not suitable for HYPP-positive horses.
- **Magnesium (0.08%)** – Low; may need supplementation.

6. Ash (13.01%)

High; could suggest soil contamination—monitor if fed in large amounts.

7. Relative Feed Values (RFV 94, RFQ 86)

Moderate quality hay. Not high-performance grade but suitable for most adult horses.

(as of 7-24-2025)