

## Relative Feed Value Rfv Vs Relative Forage Quality Rfq

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### Relative Feed Value Rfv Vs

RFV is intended to reflect how well an animal will eat and digest a particular forage if it is fed as the only source of energy. Relative Feed Value is calculated from ADF and NDF content of a forage. Dry matter intake (DMI) as a percentage of animal body weight is predicted based on the analyzed NDF content of the forage.

### Relative Feed Value (RFV) vs. Relative Forage Quality (RFQ)

$RFV = (63.97 \times 3) / 1.29 = 149$  Relative Feed Value reflects both digestibility (from % ADF) and intake potential (from % NDF) of alfalfa. Limitations of the RFV method include: 1. DDM and DMI are assumed constants for all forages. 2. ADF and NDF are the only laboratory values used in the calculation. 3. Crude protein concentration of forage is not used. 4.

### Understanding Relative Feed Value (RFV) and Relative ...

Relative Forage Quality (RFQ) vs. Relative Feed Value (RFV) Have you ever had two lots of alfalfa with the same relative feed value (RFV), one lot the cows milked great, ate it like candy and the other lot, the production dropped and the cows just didn't seem to like the forage.

### Relative Forage Quality (RFQ) vs. Relative Feed Value (RFV)

Farmers and ranchers often tell University of Nebraska agronomist Bruce Anderson that their prairie hay, cane hay or other grass hay looks great but lab tests indicate a surprisingly low relative feed value (RFV). That's despite good protein and satisfactory total digestible nutrient (TDN) levels. So what's wrong with RFV?

### Relative Feed Value (RFV)--Beef Cattle Diets | Beef Magazine

RFV calculates energy from ADF while RFQ is calculated by two different equations depending on whether the forage is primarily legume or grass. For grass, the equation is based on actual animal feeding data from trials conducted in the Southeast during the 1980's.

### Comparison of Relative Forage Quality (RFQ) to Relative ...

RFV stands for Relative Feed Value and is derived from the acid and neutral detergent fiber components of a forage (ADF and NDF). Since 1987, those items have been put into an equation that gave forages a RFV that represented an objective measure of a forage's relative feed value.

### Hay Evaluation: RFV Versus RFQ | Drovers

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### RFV VS RFQ WHICH IS BETTER

Relative feed value is calculated from digestible dry matter and dry matter intake.  $RFV = DDM \times DMI / 1.29$   $DDM = \text{Digestible Dry Matter} = 88.9 - (.779 \times \%ADF)$   $DMI = \text{Dry Matter Intake} = 120 / \%NDF$

### RFV Calculator - West Coast Hay Management

Relative Feed Value (RFV): A prediction of feeding value that combines estimated intake (NDF) and estimated digestibility (ADF) into a single index. RFV is used to evaluate legume hay. RFV is often used as a benchmark of quality when buying or selling alfalfa hay. RFV is not used for ration formulation.

### Understanding Feed Analysis | UNL Beef

Corn (energy feed) and 48% soybean meal (protein feed) are commonly used as the base feeds in Petersen's equations. However, any other energy or protein feed can be substituted. The value of a test feed is based on its level of TDN and CP in comparison to the costs and nutritive value of the base feeds, in this case, corn and soybean meal.

### Comparative Feed Values For Ruminants

The most widely accepted measure of the quality of alfalfa is Relative Feed Value (RFV). RFV is an index used to compare the quality of forages relative to the feed value of full bloom alfalfa. RFV is used to compare similar forages for two important qualities—how well it will be consumed and how well it will be digested.

### Relative Feed Value - K-State ASI

Relative Feed Value (RFV) calculated from  $(DDM \times DMI)/1.29$ . Reference hay of 100 RFV contains 41% ADF and 53% NDF. Meeting Requirements with Hay . Depending on the use or the classification of the horse, 50 percent to 100 percent of the horse's nutrients can be supplied by hay. Horse rations are usually calculated on the basic fact that they ...

### Purdue Forage Information

“If you still think relative feed value (RFV) is a good measure of forage quality, I’m not going to be able to help you today.” That was the opening disclaimer offered by Duarte Diaz, extension dairy specialist with the University of Arizona, to the annual meeting of the Northeast Chapter of the American Registry of Professional Animal Scientists (ARPAS) held in Harrisburg, Pa., last week.

### **Count him out on RFV | Hay and Forage Magazine**

RFV is expressed as a percentage compared to full bloom Lucerne at 100% RFV. RFV’s above 130 are considered good dairy quality hay. The higher the value the better with a target around 150 being considered desirable. Relative feed value is calculated using digestible dry matter and dry matter intake calculations.

### **Relative Feed Values: The nutritional value of fodder ...**

Relative feed value was initially developed for the dairy industry. It was designed to help rank the potential energy intake of different hays by lactating dairy cows. RFV does this quite well, especially for legumes like alfalfa. Grass hay, though, is a bit more difficult.

### **Interpreting RFV of Grass Hay - Beef Cattle**

The term relative forage quality (RFQ) has been around for about a decade, yet not everyone understands the difference between RFQ and relative feed value (RFV). “Whenever RFV and RFQ are different, RFQ is the better value to use,” says Dr. Dan Undersander, extension and forage agronomist with the University of Wisconsin.

### **Pricing and rationing differences in RFV and RFQ ...**

Relative feed value is an index reflecting fibre content and its effects on intake and digestibility. It has no units but is used to compare the potential of forages for energy intake. RFV ranks forages relative to the digestible dry matter intake of full bloom lucerne (RFV of 100, ADF of 41, and NDF of 53).

### **Hay and silage analyses: what do they mean? - FutureBeef**

The Relative Feed Value (RFV) was developed by the Hay Marketing Task Force of the American Forage and Grassland Council (Rohweder et al. 1978 14). As early as 1982 (Turnbull et. al. 15) it was noted that RFV was a better gauge of alfalfa hay instead of quality grade when animal performance was examined.

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