



Redmond Minerals

Improves feed quality and soil health*



Nature has it right™

Since the 1950s, thousands of customers and millions of animals have used Redmond Minerals and never looked back. Switching to Redmond is a small shift that makes a huge difference.

Third Year Alfalfa Trial

Introduction

After the success of the first and second year alfalfa soil tests, Redmond sought to measure the continued production results into year three and four.

Trial Design

This trial was set up to determine the difference between SR 65 and SR 35 on the plant quality since both products in the mix seems to add to the overall effect. It should be noted that this is the 2nd cutting results. The application of all treatments went down at planting and the 1st cutting difference were negligible. We normally see the results of Redmond treatments begin to rise about two months after application.



Year 3 Results

| Treatment | aNDF | CP | Sugar | RFV | TDN | NEL | Conclusion |
|--------------|------|------|-------|-------|------|------|---|
| UW 0-0-25 | 50.4 | 18.7 | 18.5 | 101.4 | 55.0 | 55.8 | The overall feed quality again improved with the Redmond application as indicated by lower aNDF and higher protein, sugar, RFV, TDN, and NEL. In the upper Midwest soils, we tend to see the best results using about 100 lbs/acre of Redmond Premium Mineral Salt and the same or a little more Redmond Conditioner. In this study it averaged out to about the same amount of each. |
| 100 lb SR 65 | 46.8 | 20.6 | 20.6 | 114.7 | 57.6 | 58.7 | |
| 300 lb SR 65 | 45.6 | 23.0 | 22.7 | 118.9 | 58.3 | 59.6 | |
| 100 lb SR 35 | 45.6 | 22.9 | 22.1 | 119.6 | 58.7 | 60.0 | |
| 300 lb SR 35 | 45.9 | 22.3 | 22.3 | 118.7 | 58.7 | 60.0 | |

*Ag Res LLC

Fourth Year Alfalfa Trial

4th Year Trial Design

The purpose of this trial was to compare the use of Redmond SR50 to a high quality program that was more than just an NPK treatment on Alfalfa. The control was a 3-10-25 using ammonium sulfate, MAP, soft rock phos, gypsum, and humates. In addition, it was balanced with trace mineral zinc sulfate, copper sulfate, manganese sulfate, and boron.



Year Four Results

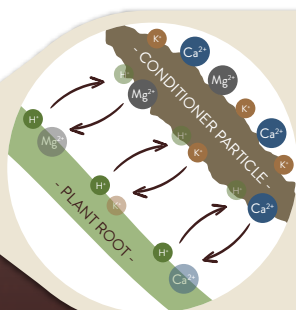
Year 4 Results

| Treatment | Yield: 3 Cuttings | aNDF | Sugar | RFV | TDN | Neg | Conclusion |
|---------------------------|-------------------|------|-------|-------|------|------|--|
| 200 lbs MBA | 23.3 | 43.9 | 6.0 | 128.9 | 60.4 | 34.4 | Once again, feed quality under the Redmond treatment (lower aNDF, higher RFV and TDN). Yield also slightly increased with Redmond. |
| 200 lbs SR 50 | 21.4 | 41.4 | 7.5 | 138.0 | 61.2 | 35.2 | |
| 100 lbs Each | 22.5 | 40.6 | 6.9 | 143.0 | 62.2 | 35.9 | |
| 150 lbs NPK; 50 lbs SR 50 | 23.5 | 40.2 | 7.1 | 147.4 | 62.5 | 36.0 | |
| 150 lbs SR 50; 50 lbs NPK | 22.6 | 40.8 | 7.1 | 141.3 | 61.9 | 35.8 | |

*Ag Res LLC

How Does Redmond Work?

Increasing Cation Exchange Capacity (CEC)



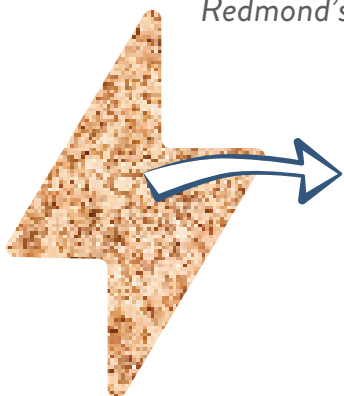
Negatively charged conditioner particles hold and store positively charged cations.

Plant roots exchange hydrogen cations for essential nutrients it cannot produce for itself.



Increasing Organic Matter with Soil Electrical Conductivity (EC)

Redmond's full spectrum of sea minerals improves soil electrical conductivity (EC) levels



Invigorates soil based microbe colonies; increasing their populations and soil organic matter as they reproduce, metabolize, and pass away throughout their life cycle



Gives plants and soil organisms a more complete nutrient profile of trace minerals to fuel the soil food web



Helps your plants better utilize nitrogen in the soil by supporting nitrogen fixing bacteria colonies



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