

## WE KEEP IT SIMPLE

Redmond provides simple, back-to-basics products that can help your animals thrive—whether your approach is organic or conventional.

## NATURE HAS IT RIGHT

Our unique balance of minerals comes directly from an ancient mineral sea bed—harvested in America and delivered to you exactly as nature intended.

## CRAFTED BY FARMERS

Our company was started by farmers over 50 years ago in Central Utah, and we still use Redmond products on our farms today. We feel lucky to be able to share our products with you!



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Nature has it right™

WE HELP  
SOIL  
grow profitable  
CROPS





## Increased Plant Quality

When the quality of the plants grown improves, the health and productivity of our livestock, and ultimately humans, also improves.

**"Got myself overwhelmed with the thickest stand of alfalfa we have ever had—due to the sea minerals—as that is the only thing that was different from other years."**

*- Sue Ramsey, Oregon*



## Better Economics

Redmond products help make significant progress in the economic viability of the farm.

This booklet will show how plant quality is improved and how that improvement manifests economic benefit for the farm.

**"We have fed Redmond Mineral to our cattle for years and realized that all those minerals should benefit our soil too so we tried it. We mixed 1 part Redmond Salt to 5 parts Redmond Conditioner and spread it at 20 lbs. per acre. In one year our soil went from nothing to something. We also had a 15% increase in yield over the control area that we didn't treat with sea minerals. We even got a better crop when we added microbial stimulant with the sea minerals."**

*- Noel Alexander, Nebraska*







## INCREASE PLANT QUALITY

Customers report how much more their animals like forages grown on soils treated with our products, how much better the crops look and yield, so we conducted independent research to verify their findings.

This trial was set up to determine the effect of Redmond Salt, Redmond Conditioner, and Redmond SR 65 (Redmond salt & conditioner combined) on alfalfa and corn silage production compared to the standard N-P-K program. Humates were also included to determine their influence on Redmond SR 65.



### AgRes LLC Alfalfa Trial

Treatment	TDN	RF V	Milk/Ton	Harvest Wt	Cost/Ac
NPK (13-9-19)	52.8	93	2078	17.6	25
300 lb SR 65 + NPK (13-9-19)	52.9	95	2075	18.3	66
300 lb SR 65	55.1	101	2190	16.5	54

### AgRes LLC Corn Silage Trial

Treatment	TDN	RF V	Starch	Milk/Ton	Harvest Wt	Cost/Ac
300 lb SR 65 (51lbs N)	70.2	143	29.13	3158	23.8	35
NPK (81-9-19)	73.5	180	6.7	3211	22.6	88
300 lb SR 65 + Humates (51lbs N)	75.8	220	44.7	3507	22.3	111

TDN: Total Digestible Nutrients.

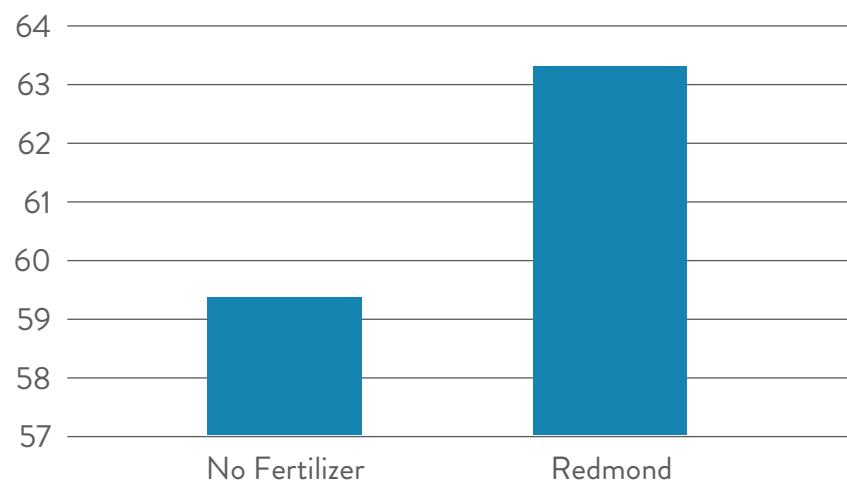
RFV: Relative Feed Value.

Milk/Ton: Potential Milk (lbs.) per ton of fed/cow.

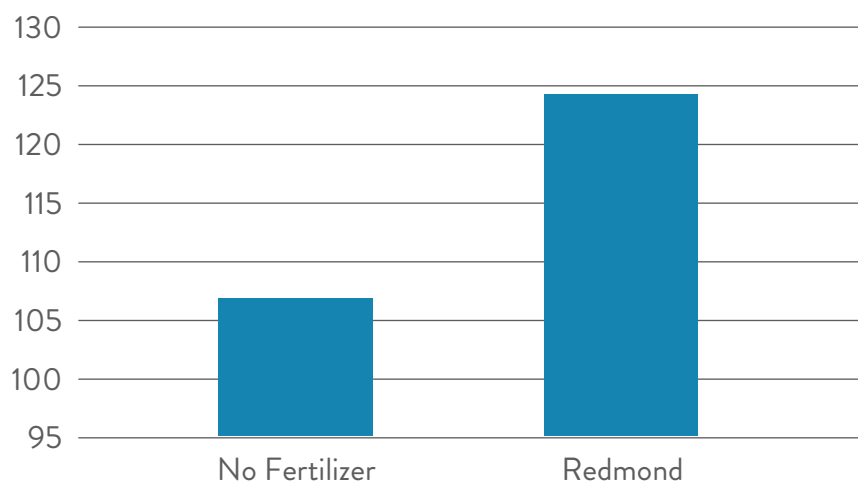
## INCREASE PLANT QUALITY

These two charts represent the increases in total digestible nutrients and relative feed value from 5 separate field trials across the US. Redmond increases the value of feed when applied to the soil.

**Total Digestible Nutrients (TDN)  
Grass - 5 Pooled Field Trials**

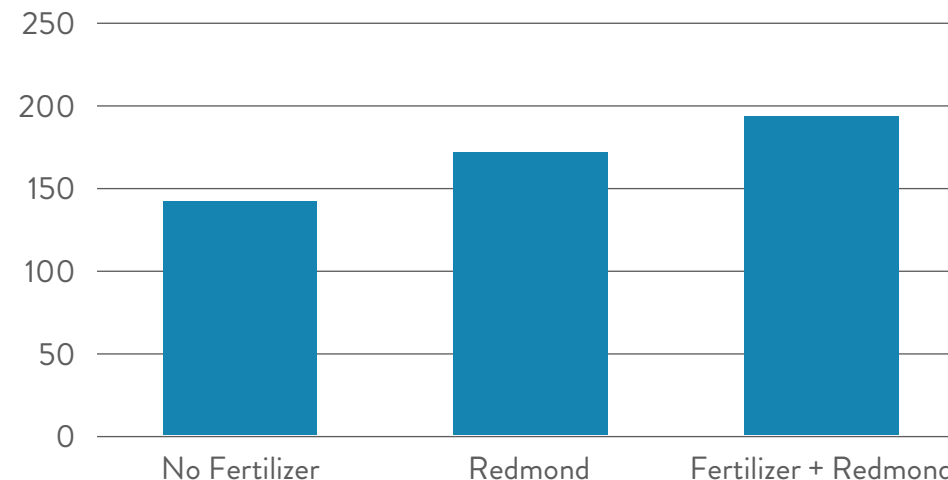


**Relative Feed Value (RFV)  
Grass - 5 Pooled Field Trials**

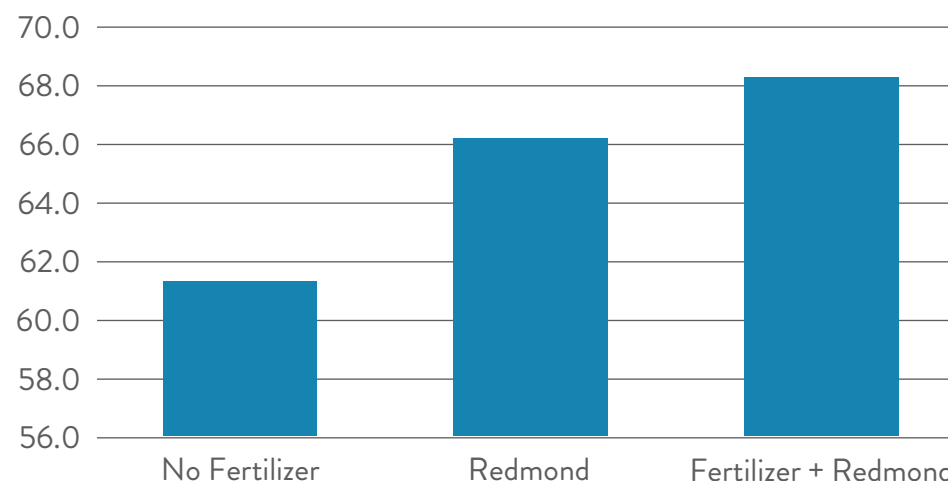


These two charts are the summary of results pooling 8 separate field trials all around the US. Redmond increases the relative feed value and the total digestible nutrients of alfalfa whether alone or applied with fertilizer.

**Relative Feed Value (RFV)  
Alfalfa - 8 Pooled Field Trials**



**Total Digestible Nutrients (TDN)  
Alfalfa - 8 Pooled Field Trials**







## INCREASE PLANT QUALITY

The research also indicates the control of plant and soil pests. Independent research found the occurrence of parasitic nematodes to significantly reduce with the addition of Redmond products to the soil.

	Total Parasitic	Percent Parasitic
Control (Fert.)	143	15.4
Treated (Redmond + Fert.)	56	7.9

**“We put Redmond’s salt on our annual ryegrass at 200 lb per acre. In a couple of places, we actually put Redmond on 2-3 times heavier (at 400 to 600 lbs per acre). In those areas the grass is twice as high as the rest and is a much darker green color. It really looks a lot better. I put the cows on those ryegrass pastures and within two days I saw a major difference in the animals.”**

*- John Marshall, TX*



## BETTER ECONOMICS

With the increase in Relative Feed Quality from the pooled alfalfa data shown earlier (pg.6), we ran the numbers through a dairy nutrition program and here is a look at the payback when the higher quality alfalfa is fed to dairy cattle. What this shows is when the quality of the alfalfa increases, it can replace more purchased ingredients in the ration (saving money) while keeping health and performance where they are. As forage increases in the ration, so does the butterfat. These two ways increase the value to the farmer. The last frame shows the profitability per acre as fed through the cow.

**"We grass finish cattle and had to move some 1200 lb. steers from the normal winter annual finishing pastures (cereal rye) to a meadow brome field because of early spring heat. These steers were already fairly fat and though the meadow brome looked good, they stopped gaining. We decided to put the sea minerals to the test. We pumped 3 lbs. per acre of Redmond Sea Minerals through the pivot with around 6/10 inch of water per acre. The brome had been well watered but the Brix reading had been around 11. Two days after the sea mineral treatment the Brix reading was 20. The first week those steer gained in excess of 4.5 lbs./day. Weekly weights from that point averaged approximately 3 lbs./day until finished from just that one application. If a guy has a pivot and an injector on it, it is a no-brainer to do this. The cost is nothing and the benefit is major."**

*- Michael Davis, New Mexico*

### ROI/Acre Using Higher Quality Alfalfa in Dairy Diets

Alfalfa Crop Treatment	Cost of feed ingredients except alfalfa	Savings/Cow/Lactation
No Fertilizer	2.16	0
Redmond SR 65	1.68	146
Redmond SR 65 + Fertilizer	0.97	363

Alfalfa Crop Treatment	Butterfat Pounds Sold	Revenue/Cow/Lactation
No Fertilizer	2.74	0
Redmond SR 65	2.83	82
Redmond SR 65 + Fertilizer	2.90	146

Alfalfa Crop Treatment	Total Value/Cow/Lactation Butterfat and Feed
No Fertilizer	0
Redmond SR 65	392
Redmond SR 65 + Fertilizer	509

Alfalfa Crop Treatment	Total Rev. Per Acre	Cost/Acre	Revenue/Acre
No Fertilizer	0	0	0
Redmond SR 65	*392	54	338
Redmond SR 65 + Fertilizer	*840	142	698

\*Calculation of annual alfalfa consumption/cow and how many cows one acre will feed.



# WHY DOES REDMOND'S SOIL PROGRAM WORK?

## Redmond's Soil Program Research Results Summary

- Relative Feed Value (RFV) improves
- Relative Feed Quality (RFQ) improves
- Total Digestible Nutrients (TDN) increases
- ADF and NDF fiber decrease, which increases the TDN+RFV
- Redmond products performed better than no treatment
- Works as well or better than basic N-P-K
- Redmond products improve even well managed fertility soil programs
- Reduces pest pressure

## How are Redmond Products so Effective?

- High in electrical conductivity (EC) which give energy to the soil microbes and increases their activity level
- High in cation exchange capacity (CEC) which increases the soil's ability to store and release water and nutrients as needed by the microbes and plant roots
- Contains over 60 naturally occurring macro and trace elements in nature's perfect balance and proportion

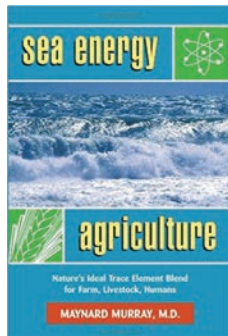




# WHY DOES REDMOND'S SOIL PROGRAM WORK?

## Sea Minerals

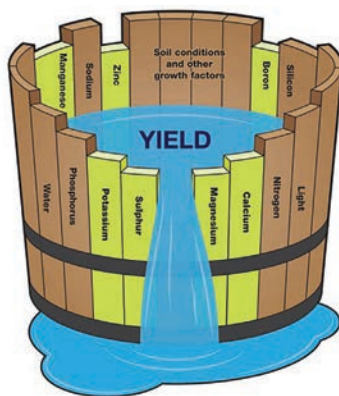
Considering the importance of the mineral profile, particularly the trace elements in Redmond products, we turn to some of the findings of Dr. Maynard Murray. He states that seawater is Earth's most ancient natural solution and physiologically most ideal. All Atomic Table elements are in a solution of consistent balance and proportion available to all sea life. He noticed the elements and quantities in seawater are essentially the same as they are in blood. Thus, he didn't find the degenerative diseases in sea creatures that land mammals have. So he took the sea minerals to the soil and found conclusive results in better production and disease resistance in the plants. More can be learned from his book entitled *Sea Energy Agriculture*.



Redmond Salt is a dry bed of minerals from an ancient sea. Redmond Conditioner is volcanic ash that fell into that sea water. Volcanic ash is what helps supply the minerals to the sea. Both are mined today in Utah, and are best used together. As shown in our research, this combination outperforms either product alone. That's why we created the SR blends; SR 65 and SR 50, which are 2/1 Conditioner to salt and 1/1 Conditioner to salt respectively.

## Liebig's Law of the Minimum

In 1840, Justus von Liebig discovered that a plant's growth-rate, size and overall health depends on the amount of the scarcest of the essential nutrients that is available to it. Even if all the major elements (N-P-K) are present, production will still be limited by the lack of trace elements.





## PREMIUM MINERAL SALT



### 10 Fine OMRI Listed (50 lb Bag, 2000 lb Tote, Bulk)

Redmond's 10 Fine's granules are smaller than the 4 Medium. It is a premium mineral salt with over 60 naturally occurring trace minerals including zinc, manganese, cobalt, copper, iodine and more. 10 Fine is free of chemical processing and is OMRI Listed.

50lb Bag: (PN#) 300501 (UPC) 758364300501  
2,000 lb Tote: Contact us to order Bulk: Contact us to order  
Pallet: 50 bags



### 4 Medium OMRI Listed (50 lb Bag, 2000 lb Tote)

Redmond's 4 Medium's granules are larger than the 10 Fine. It is a premium mineral salt with over 60 naturally occurring trace minerals including zinc, manganese, cobalt, copper, iodine and more. 4 medium is free of chemical processing and is OMRI Listed.

50lb Bag: (PN#) 301508 (UPC) 758364301508  
2,000 lb Tote: Contact us to order Bulk: Contact us to order  
Pallet: 50 bags

## CONDITIONER



### Conditioner OMRI Listed (50 lb Bag, 2000 lb Tote, Bulk)

Redmond Conditioner is a great foundation to your mineral program. Since it is pure volcanic minerals, it has higher levels of trace elements than our salt. Free of chemical processing and is OMRI listed.

50lb Bag: (PN#) 602506 (UPC) 758364602506  
2,000 lb Tote: (PN#) 402041 (UPC) 758364402041  
Pallet: 50 bags Bulk: Contact us to order

## PREMIXED SALT & CONDITIONER PROGRAMS



### SR 65 / SR 50 (2000 lb Tote, Bulk)

Redmond SR 65 is made from a 2:1 ratio of Redmond Conditioner and our premium natural sea salt. SR 50 is made from a 1:1 ratio. All of our products are unrefined and free of fillers and dyes. SR 65 and 50 comes in fine granules, or coarse for better broadcasting.

2,000 lb Tote: Contact us to order Bulk: Contact us to order  
SR 65 (PN#) 402089 SR 50 (PN#) 402065



### Dry Application Rates for Large Areas

SR 65 – 200 to 300 lbs./acre. Typical application is with a broadcast spreader set at a 30 ft. wide spread pattern. Bulk density of the product is about 75 lbs. per cubic ft. SR 65 is made of 65% Redmond Conditioner with 35% Redmond Premium Mineral Salt.

Redmond Conditioner – 100 to 200 lbs./acre.

Redmond Premium Mineral Salt – 50 to 100 lbs./acre. Use more if your soil's salt content is very low.



### Dry Application Rates for Small Areas

Redmond Conditioner – 0.5 to 1 lb. for every 250 square feet

Redmond Premium Mineral Salt – 0.25 lb. for every 250 square feet.



### Foliar

Redmond Premium Mineral Salt – 5 lbs./acre. Apply through your spray system and repeat process at least 3 or 4 times throughout the growing season.





## LET'S STAY CONNECTED

WANT TO LEARN MORE?  
READY TO PLACE AN ORDER?

Reach out to one of these contacts below.

[hello@redmondagriculture.com](mailto:hello@redmondagriculture.com)

Place an order, ask questions  
& connect with one of our  
animal or soil specialists.

Talk to us

(866) 735-7258

Learn more

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