



Rack Petroleum Ltd. Launches Ultimate Yield™

Rack Petroleum Ltd. Has launched it's newest version of Knowledge based products called Ultimate Yield™.

The new program is the first of it's kind to incorporate every aspect of crop and soil husbandry into one package.

After many years of experiencing the complex problems that frequently need to be addressed by farm customers, Rack has pooled these problems into 7 yield determining categories. Rack has concluded that in order to assist Customers in eliminating yield barriers it is necessary to look at the overall system as opposed to individual areas. "By looking at the entire system and then breaking it down into parts we have been able to implement a process by which both grower and agronomist can follow in order to create the Ultimate Yield™ for any given field." states CEO Dennis Bulani.

The process has been developed because it has become evident that since the 7 factors compound yield results exponentially they also therefore impact the

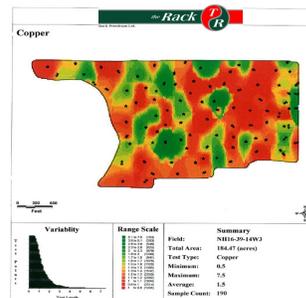
individual performance of one another. "By eliminating and scoring each yield determining category in a unique process we are able to identify and deal with the impact each will have on determining the ultimate yield of a field." he further adds.

"Believe it or not the very day you are done seeding five of the factors should have been eliminated and yield potential should now be predictable. However, time and time again we miss the little things and ultimate yield has no chance" says senior Agronomist Jamie Coleman. "I have come across many instances where we are asked to design a fertility program for a client and then the whole package falls apart because the client didn't use high protein plump seed that can take advantage of strong, balanced fertility" Results can be disappointing without understanding the entire system.

Ultimate Yield™ makes us ask the important questions up front before we hurt the inter-relationships. There are 7 aspects to Ultimate Yield™ and

"Field delineation is one necessary step in evaluating them., It includes detailed micro-nutrient analysis, as well as soil and plant Analysis. Final evaluations of course always involve field scouting.

The sample below shows a topogrid analysis where the copper deficient areas within a field. (red areas) have been identified.



You can find out more about the 7 yield factors and how Ultimate Yield™ can make you more profitable at your local Rack office.

Ultimate Yield™ utilizes a base of Topographical Grid Soil Mapping combined with Satellite Imagery

The foundation of Ultimate Yield™ is a strong physical and chemical analysis of the fields in question. The process incorporates NASA NDVI satellite imagery combined with topo-grid delineation, aerial photos and yield maps. The entire starter package allows clients to begin a system of soil categorization and application of inputs in a simple

process, while designing a long term adoption strategy for VRT and the use of Soil Ground Information Systems. Coleman states:

"The foundation of the system requires scouting, interpretation, and understanding of micro-ecosystems within each field so that Accurate field delineation is

obtained. "We believe that the system will be most accurate over a 5 year process which will consider crop rotation, slope, topography, yearly environment, and variety to mention a few. Our job is to help our customers adopt the technology in an easy low cost system that makes a maximum return.

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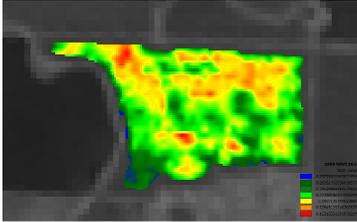
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"Thinking about going VRT in the future?"

Sign up now for a starter package so you can prepare your farm for a 2010 test run.

Call for details

Soil Mapping and VRT research began in 1984



NASA NDVI image for Wheat 2007 showing differential vegetation . Images are stacked on soil maps to determine yield zones

“ My interest in field delineation and vrt began in 1984. We designed a system in conjunction

with the late great Bob Bens, from Biggar.” says Dennis Bulani, CEO Rack Petroleum.

A John Deere 655 air seeder was modified by the U of S engineering department to allow us to remotely adjust rates on the go. We designed a plot whereby we delineated a field into 3 areas, high ground , mid slopes and low ground. The 3 areas received increasing nitrogen rates as we moved up the slope. The results that year demonstrated a significant increase in the yield of barley due to the varied rates.

This was the beginning of the journey to Ultimate Yield.

Eventually the system overpowered the operator who had to continually ride the rate switch up and down and across various soil types and elevations. The next step was to create yield zones based on scouting, aerial and soil type data.

We discovered that copper and zinc were yield limiting factors in the area , to add to the issues that nitrogen, phosphate and sulphur deficiencies were creating. We knew technology would have to improve to make things economical. Now finally it's here.

In 1991 when the technology improved we began a more

Rack Petroleum Ltd. Develops Agronomist Training Program for New employees and hammers home strong ethical agronomy

A recent survey of Rack customers has provided good information and has led Rack to adjust their Agronomy programs to better meet those needs.

Dennis Bulani, CEO, of Rack and an agronomist himself has said “ Customers want to deal with knowledgeable staff who can sort through the maze of information, then come up with knowledgeable , speedy solutions for production systems”. He

further stated , “ In order to provide this we have developed an intense program of 10 modules that each new agronomist must pass. The training program is very stringent and

Makes each trainee pass a test to verify their training before moving on to the next module. The program could be compared to “journeyman” training in other professions. And requires each new hire to spend shadow time

with more experienced agronomists and with farm customers. Our customers help to train these hires since the agronomist can learn from our customers individual needs while being supervised by more experienced staff. The whole program really allows new staff the opportunity to put what they learnt in college into a practical application that trains them to clearly understand problems and then bring unique solutions .

“We will always make recommendations that benefit the customer and the environment

Interested in the agronomist customer shadowing program and want to participate ?

Call us to register your farm,

The experience will give you an agronomist to work with and help train problem solvers of the future !



ACA Plus tank mixed with your seed treatment makes good economic sense Ask us for a pre-pak

ACA Plus is a plant nutrient blend of zinc ammonia acetate.

7-0-0 8.5% zinc. ACA is normally applied along with the seed treatment. The product is most advantageous :

- Early or late planting for area
- Cold and wet soils
- Compacted soils
- Zinc deficient soils

- Soil with poor water holding capacity

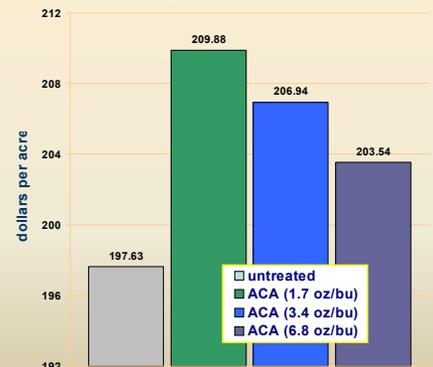
FEATURES OF ACA PLUS

- Promotes earlier root growth
- Mixes with seed treatments
- Excellent zinc source along with ammonium acetate which helps extract beneficial nutrients from the soil

ACA Significantly Increased Net Return of Hard Red Spring Wheat.

Three Year Average

LeRoy Spilde. 1998. Dept. of Plant Sciences. NDSU. Agronomic response of hard red spring wheat with ACA seed application (1994-1996). ACA significantly increased net returns over a three year period on hard red spring wheat.



Rack Petroleum Bio-Fuel additive usage increases

"Is there a way we can add something to diesel to make it A premium diesel?" was the question Dennis Bulani of "the Rack asked the folks at Diesel Services Group from Saskatoon.

"Yes there is" they replied The new low sulphur diesel of today has almost no lubrication. Further more the cetane levels could be higher and we could boost the power it supplies. If we can make a diesel burn cleaner we can get it to improve fuel economy and power. For

that we will need to add fuel dispersants. "Great so make me an additive that utilizes the benefits of bio-diesels lubrication qualities and allows us to boost up the cetane ,horsepower, and efficiency levels". The result after years of testing is the "Rack Premium Choice Plus Diesel" The add pack was tested in labs and the results show an average improvement in fuel economy of 2.6 % , quicker start ups and better lubrication for injector pumps.

We are pleased to offer this exclusive additive for our fuel

customers. Today after 5 years of marketing close to 50% of our farm customers use it. For the additional cost of about 2 cents per litre and a engine using 45litres/hour that's a saving of \$1.17 per hour This easily pays For the cost given all the benefits!

"Last spring we had a contractor dig a trench and his trencher wouldn't run right, we poured some Rack additive in and within 15 minutes it began to run smoothly! Its so good you really noticed the difference on older engines."



Injector before Rack add pack



Injector after 15000 miles and rack add pak Cleaner injectors-better fuel burn !

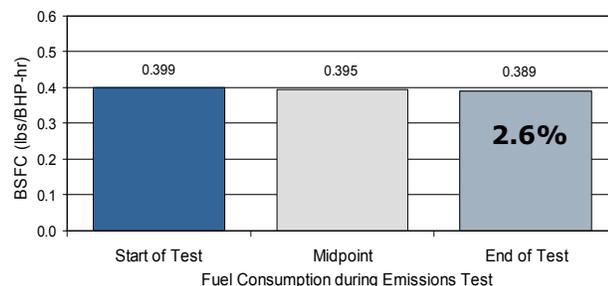
Components required to suit needs of a "premium diesel fuel" :

- High Lubricity Content
- Chlorine Free Detergent Package
- Rust and Corrosion Inhibitors.
- Storage and Thermal Stabilizers
- Water Dispersants and Rust Inhibitors
- Reduce Exhaust Emissions
- Low Treatment Rates for Economy of Use

Increasing a Diesel Fuel's Cetane Number Can Lead to Immediate Benefits Including:

- Less Knock and Noise
- Less Misfiring
- Less Shock Loads and Peak Pressures in Cylinder
- Lower Emissions through More Efficient Combustion
- Shortened Ignition Delay
- Easier Cold Starts
- Less White Smoke
- Better Warm Up

Fuel Economy Improvement - Steady State



Fuel economy was monitored during transient emissions testing at the start, midpoint and end of test. After the injectors were cleaned by fuel containing Rack add-pak at full strength, fuel economy had increased by 2.6%.



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INDEPENDENT CHOICE

Need an agronomic problem solved ?

Go on line and ask us a question we will answer back in 24 hours !



Rack Petroleum Ltd. Is an independently owned business that has evolved as a farm supply retail, based on solving supply and agronomic farm input problems.

Rack is one of the only independent retailer 's who offers every fertilizer type; anhydrous, dry, and liquid products. Rack also works closely with farm customers to offer full service 24/7 fuel delivery priced on the open market. The company has shown tremendous growth as a result of its employee commitment to work hand in hand with growers to provide daily solutions in every aspect of farm production.

The company prides itself in being able to solve a problem , provide the solution, and deliver the product to the farm or field. " We can discuss a problem, create a solution, supply the inputs to solve the problem, deliver the input, and custom apply it in a timely manner,

And all in one swoop . That is how we pride our-

Rack Fuel Fleet Expands

A result of driver passion and Independent choice

Rack Petroleum Ltd. Has become a new player in the bulk farm fuel delivery business over the last 7 years . It started in 2001 with one tridem tanker and a Vision of creating the best possible farm fuel delivery option in the market . The model was a gutsy one , as the small independent fuel company has grown to be a great alternative to large multi-nationals and co-ops .

"The fuel business has changed "

Reports Chris Adair , fuel manager for Rack Petroleum LTD.

" Farmers have cut their usage in half with the advent of direct seeding and as a result the amount of fuel hauled has become far less ". The result is that the Big guys have been unable to adjust to the decreased volume or have adjusted by pulling out of our small communities. Rack has a unique model ," We are fully diversified supplying all farm inputs and that allows us to stay in small town Saskatchewan".

"We eliminated the oak desks, bought some larger trucks, eliminated inventory and storage and developed

a lower cost model that now keeps the big guys honest. To add to that we have hired local passionate managers and drivers who live work and are proud of rural Saskatchewan.

Order your Premium diesel from the Rack this spring and we will also deliver "Premium High Octane" gasoline

For the price of regular GAS!

Call FOR DETAILS

