



Cardinal
Agriculture Services

Brookside Agra Introduces All-Natural **RemediPro™** Water Clarifier



Test Pond "Before" RemediPro Treatment

Brookside Agra has developed a high-performance, non-chemical and natural product called RemediPro™ to safely degrade sludge build-up and improve water clarity in closed and slow-flow water systems such as ponds and lagoons.

Utilizing a proprietary, 5-strain bacteria blend, RemediPro works to naturally reduce organic levels of scum, sludge, fats, oils and grease that can threaten good water quality and aquatic life in water retention and collection areas, lakes, ponds, water gardens, fish farms and hatcheries. RemediPro creates no risk to the environment, animals, humans or aquatic life with its only by-products of carbon dioxide and water. RemediPro is a dry bacterial blend available in conveniently packaged, cost-effective 8 oz. and

H2OExcel™ Alfalfa Field Trial: Higher Yield/Protein Levels/ Relative Feed Value Reported



Cardinal Agriculture Services, the agronomy/risk management division of Brookside Agra, is reporting higher feed quality in alfalfa treated with all-natural H2OExcel™ water conservation agent in a recent Illinois field trial.

According to Ben Elliott, Cardinal Agriculture Services soil and plant nutrition specialist, alfalfa treated with H2OExcel during the field trial exhibited the following results compared to the untreated alfalfa:

- An increased yield of 2.2 tons and an additional cutting.
- A 6.5% decrease in the Acid Detergent Fiber (ADF), resulting in increased palatability for the animal.
- An 8.5 % increase in the Neutral Detergent Fiber (NDF), generally resulting in a decrease in dry matter intake.
- An 11% increase in the Relative Feed Value (RFV).
- A 15% increase in protein levels.

16 oz. water-soluble pouches that are simply tossed into the water for ease of dosing.

"The 5-strain bacillus blend in RemediPro was carefully selected, in studied proportions, based on their enzymatic production," said Chad Vaninger, Executive Vice President and General Manager of Brookside Agra. "The microbes introduced through RemediPro safely ingest carbon, phosphorous, potassium and nitrogen at an accelerated rate, which limits the organic loading available and improves water quality."

A decrease in water clarity can reduce water quality and oxygen levels, making sunlight unable to penetrate the scum on the surface. This condition poses a threat to aquatic life in the water by increasing temperatures, disrupting photosynthesis and lowering dissolved oxygen which is essential for life.

RemediPro is available for purchase online through Brookside's website.

[Click for Product Info and Study Results](#)



Test Pond "After" RemediPro Treatment

REMEDIPRO
FOR PONDS AND LAGOONS

H2OExcel™ Illinois Field Trials
Subject of Radio Interview

Ag News
with Katie Bowles



The 2015 field trial was conducted in Washington County, Illinois on a 40-acre (20 acres treated, 20 acres not treated) alfalfa dry land production area. One quart of H2OExcel was applied to the

H2OEXCEL™
Water Conservation Agent

treated alfalfa per acre at green-up, then 1-pint per acre after each cutting. The study

results were compared to the production area's 2014 yield, which was not treated with H2OExcel.

"We harvested a much higher quality crop and I point specifically to the effects of being able to better manage the increased rains from mid-summer 2015," said Elliott. "I noticed that the disease pressure was moderately reduced, while the inputs were not changed, with the exception of adding H2OExcel to the program. We were impressed with the positive results H2OExcel had on the alfalfa's overall forage quality improvements. And because H2OExcel is all-natural, producers can feel safe about feeding alfalfa or any other forage treated with H2OExcel to their animals."

Developed by Brookside Agra, H2OExcel is a proprietary blend of desert plant extracts and high-quality, humic acid-containing biologicals and other all-natural, non-plant derived nutrient enhancers. H2OExcel is highly efficient and can change the polarity of water and soil, increase biological activity, interact with soil capillarity pressure and defend against dehydration of both the soil and the plants by keeping water available deeper in the soil profile. H2OExcel has been scientifically proven in university studies to reduce water usage by 30-50%, lower costs to maintain vegetation, increase plant strength and reduce crop failure.

Listed on the Generally Recognized as Safe (GRAS) list approved by the FDA and AAFCO, H2OExcel will not harm plants, animals or humans and is safe to blend with fertilizers, pesticides and herbicides. H2OExcel can be used as a spray mixture or used in an injection/irrigation system on plants, crops or turf.

For more information about H2OExcel, [Click Here](#).

The Miracles of Balanced Plant Nutrition

By Noel Garcia, CCA
Technical Director, Texas Plant & Soil Lab

Typically, most growers have post-harvest or early spring

Brookside Agra/Cardinal Agriculture Services Agronomy Expert Ben Elliott and Tony Arro - Director of Sales, Specialty Products recently talked H2OExcel and their recent Illinois field trial with WSMI Radio Ag Broadcaster Katie Bowles. **Take a Listen** -

http://wsmiradio.com/wire_new/podcasts-ag2/2016/03/03245_NOON_FARM_3-18-16_150638.php

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Cardinal
Agriculture Services

1331 Park Plaza Drive
O'Fallon, IL 62269
618-628-8300

www.brookside-agra.com

soil tests performed then apply pre-plant fertilizer based upon the recommendations of the soil report and assume that the one application will pretty much supply the crop's nutritional requirements for the remainder of the season with perhaps supplementing Nitrogen sometime mid-season.



There are several problems with this approach:

1. Much can happen to your fertilizer after it hits the ground to make it unavailable to the crop:
 - a. Your native soil chemistry can rapidly tie-up fertilizer components into chemical compounds which the plant is unable to absorb.
 - b. Irrigation water high in mineral salts not only changes your soil's chemistry and damages its structure, but also neutralizes plant-absorbability of many fertilizers by changing their chemistries into plant-unavailable compounds. Water quality is really critical in spray mixes or fertigation.
- "What's in Your Water Becomes Part of Your Soil."***
- c. Chemical interactions between the fertilizer components themselves can render them unavailable to the plant.
 - d. Loss due to the weather - leaching due to heavy rain, high soil temperatures, etc.
 - e. Volatilization of Nitrogen into the atmosphere - especially true when next year's N is applied in the fall.

[Click to Read Complete Article on Ben's Blog](#)