State Of The Art Incinerator: "The Eliminator"

Exciting new times at Super Nova Mfg., Inc. formally known as Southern Breeze Fabricators, Inc. In September, 2010 Sammy Massey bought the assets of Southern Breeze, former manufactuer of "The Eliminator".

Sammy is the inventor, designer, and patent holder of all six models of the "The Eliminator" incinerator (SN250, SN500, SN1000, SN1500, SN2000, and SN3000).

"The Eliminator is the best incinerator on the market today. It's built out of quality materials and quality parts, which provide our customers with many years of high performance, low maintenance, and lower fuel consumption," says Massey.

Super Nova is in the process of setting up a dealer and distributor network, so as to better service customers. The company is also in the process of adding new items to its product line, which will help the company grow and at the same time help customers be more profitable.

To customers and employees, Super Nova promises to abide by its new mission statement. "Super Nova Mfg,. Inc. is committed to the design, manufacturing and service of the most efficient and highest quality incinerators in the world, that exceed the needs and expectations of our customers and government agencies. Further, Super Nova promises to engage in healthy and good business practices by adhering to a strict code of ethics, honesty, integrity, and creations of everlasting relationships."

Visit Super Nova's website for updates on new products and announcements of dealers and distributors: www.supernovamfg.com.

Super Nova makes the following models:

• SN250: for animal shelters, veterinarians, funeral homes, & law enforcement.

• SN500: for small poultry and turkey farmers.

• SN1000: for larger poultry and turkey farmers.

• SN1500 & 2000: for meat processors and swine farmers.

• SN3000: for large meat processors, swine, cattle, and horse farmers, and landfills.

Contact: FARM SHOW Followup, Super Nova Mfg., Inc., 558 Baggs Ferry Rd., Camilla, GA 31730 (ph 888-311-0131 or 229 336-9337; fax 229-336-1844; www.supernovamfg.com).

Reader Inquiry No. 133

"Next Generation Hydrogen Generator"

Andy Herold says there are millions of engines on farms that could benefit from his compact HydroStar hydrogen generator. "Customers tell me they can't believe the boost in horsepower the cuts in fuel usage they see after installing the HydroStar," says Herold.

One thing that has become clear, he notes, is that the system doesn't always work on newer vehicles (2000 and later) that have computer-controlled engine control systems. The problem is that the computer adapts to the change in fuel mix so you might decrease fuel usage initially, and then the fuel savings go away.

"I tell people with late model vehicles that there's only about a 50 percent chance of it working," says Herold. "However, there are people working on this problem. I bought a high performance chicp for my 2003 Dodge 1500 and the HydroStar unit now works good on it."

Herold designed his unit to be compact, measuring only 5 in. wide by 7 1/2 in. long and 2 1/2 in. thick. All tubing and wiring needed is included in each kit. On larger engines you can hook two or more units together.

Herold says the best results with his kits have been on large diesel engines, such as large trucks and motor homes. Farmers are also using them on combines, tractors, irrigation engines, generators, grain dryers, and more. Many report a 50 percent fuel savings or more.

Herold's website offers pros and cons of four different electrolytes that are added to the distilled water used in the unit - sodium citrate, baking soda, sodium hydroxide and salt. He prefers sodium citrate for its safety, though more of it is required. He also recommends against salt due to its corrosive nature.

"Mix the electrolyte in 1.4 liters of water and fill the tank," he says. "You can start out at five amps if the unit is installed inside the engine compartment and seven amps if it's in front of the radiator. You can be at 13.5 amps in two hours with the temperature in the tank at 185 degrees and maximum hydrogen production."

Herold suggests placement ahead of the radiator for air stream cooling.

"The limiting factor in hydrogen generation is temperature of the electrolyte fluid," he says. "Water boils at 212 degrees so I try to keep my units operating at 185 degrees."

Herold has sold hundreds of systems, which are priced at $125. He also offers an EFIE switch for adjusting the mixture of fuel and air for $15. He also has a website that sells individual components for do it yourselfers, as well as the entire system as a turnkey installation. The site also offers information on making your own, installing and using a hydrogen generator.

Compact HydroStar generator measures 5 by 7 1/2 in. by 2 in. thick. Sells for $125. On large engines, two or more units are required.

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Reader Inquiry No. 134