

Grain Pump Closed Loop System



Over 25 Years of
Innovative Grain Pump
System Solutions.

Don't just move grain... Manage It.

Grain Pump Systems

The innovative Hutchinson Grain Pump™ lets you not only move, but manage grain with gentle efficiency at high capacities. The system requires less horsepower at much higher capacities than air systems. The en masse (grain-moving-grain) concept results in less grain damage as it allows you to load grain in and out as well as around the system. Operational costs and maintenance is dramatically reduced over traditional auger conveying systems.

GRAIN PUMP™ LOOP SYSTEMS — available in 6", 8", 10", 12" and 16" diameters capable of handling capacities up to 18,000 BPH.

GRAIN PUMP™ DOUBLE RUN SYSTEMS — available in 6", 8", 10" and 12" diameters capable of handling capacities up to 10,000 BPH.

- **UHMW Paddles** gently move high capacities of grain from inlet to discharge and provide a system with minimal wear and low maintenance.
- **Blend High Moisture Grains** with dried grains to reduce drying costs.
- **System Designed to Work with New or Existing Bins** and can be economically expanded in the future.



Grain Pump Double Run System

Call toll-free **1-800-523-6993** for the nearest dealer or distributor.
We'll rush you comprehensive information today.



HUTCHINSON/MAYRATH
A Division of GLOBAL Industries, Inc.
P.O. Box 629 • Clay Center, Kansas 67432
Ph. (785) 632-2161 • FAX (785) 632-5964
www.hutchinson-mayrath.com

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Get facts on new energy sources

SUMMER is here, and the topic of solar energy is generating discussion — and kilowatt hours — among farmers in Iowa. Renewable energy systems, also called distributed generation systems, come in all shapes and sizes, and deciding if there is a system that's right for you and your farm is no small task.

Planning for a distributed generation system, such as the installation of solar panels, requires careful thought. Before installing any type of energy system on your property, the Iowa Association of Electric Cooperatives urges rural utility customers to follow these steps.

■ **Maximize energy efficiency.** Complete an energy efficiency audit and implement some or all of the energy-saving measures identified by the audit. Making these changes before installing a renewable energy system can reduce your total energy needs. It can also help you to plan a renewable system according to your farm's seasonal energy demands.

■ **Keep good records.** As you begin evaluating renewable energy options, establish a recordkeeping process. Keep a file of all the information, such as rebates and pricing, that is provided to you by potential installers or electrical contractors. If you do decide to install a renewable energy system, these records will help you to compare expenses for parts and labor among different installers.

■ **Contact your utility.** If you decide you want to gather more information about sizing, purchasing and installing a renewable energy system, contact your utility provider as early as possible. There are many safety precautions to consider to maintain the reliability of your utility service and the larger power grid. Your utility can also explain the interconnection requirements for your potential new system and provide additional information.

■ **Analyze electric loads.** Calculating your electricity use and overall energy needs are key steps in the process of evaluating whether a renewable energy system is a good investment for your farm. Assessing your current and future electricity needs will help to determine the size of your renewable energy system. Consider



Farm Energy

By DANA SCHWEITZER

how your energy needs fluctuate from one season to another to meet the needs of livestock or to dry and store grain. Determine if solar, wind, geothermal or another fuel source is optimal for your system.

■ **Review local codes.** Each community, county and state often has its own set of regulations and codes that must be followed if you install a renewable energy system. Get help reviewing these regulations before you decide where the solar panels or other equipment will be located on the farm and how they will be mounted.

■ **Contact Iowa's experts.** The professionals at the Iowa Energy Center are experts in renewable energy. After you have gathered some preliminary information, contact them for more details about whether a renewable energy system is a good fit for your operation. They can help you review the types of energy technology that would be best for your property, discuss financing and potential financial incentives that may be available, and advise you of additional resources. Refer to the Database of State Incentives for Renewables and Efficiency at www.dsireusa.org for information about available incentives.

■ **Get the details.** Before installation begins, have one more discussion with your utility provider. Check with your insurance to confirm that your coverage will be sufficient once the renewable energy system is in place. Plan for an electrical inspection after installation. Make a plan to track the performance of the new system to determine energy generation and cost savings.

For more tips on energy efficiency all around the farm, follow us on Twitter @ISU_Farm_Energy, or visit our website at farmenergy.exnet.iastate.edu.

Schweitzer is program coordinator for ISU Farm Energy in collaboration with the Iowa Energy Center.