

DHIA

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Blackburn system cuts stray volts

ST. LOUIS, MO - Blackburn, A Division of FL Industries, Inc., and a recognized leader in electrical grounding technology, announces the introduction of Electronic Grounding™ products for the detection and reduction of stray voltage on dairy farms.

Blackburn's Electronic Grounding System is a patented system that is guaranteed to reduce stray voltage caused by off- or on-farm sources while maintaining the continuity and safety of the existing electrical distribution system.

The first step to solving a stray voltage problem is to find out if one exists and, if so, to determine how severe the problem is and when it occurs. To accomplish this, Blackburn engineers developed the WaveRider™ Data Acquisition System.

The WaveRider System utilizes a personal computer, custom designed hardware, a copyrighted computer program and reference electrodes. The system monitors and stores information constantly and quickly over a representative period of time by measuring both steady-state and motor-starting voltage peaks which can last as short as 1/1000 of a second. Stored data can be displayed on the computer's monitor or printed on a report for thorough review and analysis.

Dairy farmers are encouraged to review WaveRider data with their power suppliers, veterinarians and electricians to determine if reducing the stray voltage will help improve their dairy farming operations. If stray voltage is causing a significant problem and the dairy farmer desires to reduce it, the Electronic Grounding System provides the answer.

The patented Electronic Grounding System (EGS) will reduce the stray voltage in the dairy facility by safely redirecting it into a grounding field located at least 300 feet from the facility. The EGS consists of three components which are quickly installed without interruption of normal dairy operations.

The first component is a network of reference electrodes which sense stray voltage in the dairy facility and near the cows' feet where they are most likely to be affected. This network of electrodes provides input to a compensating amplifier unit which is also connected to the dairy facility's service entrance neutral bar. From these two sources, the amplifier determines exactly how

much voltage must be drawn away from the cow contact area and sent to the third component of the System which is a remote grounding field.

This grounding field consists of 20 to 50 buried copper clad ground rods which are located at least 300 feet away from the cow contact area.

The amplifier unit enhances the grounding effectiveness of the 20 to 50 rods so as to approximate the effect of 20,000 to 50,000 rods.

When properly installed by an Authorized Factory Dealer, the EGS is guaranteed to reduce stray voltage on the protected facility's secondary neutral system to between 1/25 and 1/200 of its original intensity, with comparable reductions in the cow contact area.

The System has been field tested for the last two years and is presently in operation on over 40 farms. In each case, stray voltage has been reduced.

A survey of these dairy farms also shows that in many cases once the stray voltage was reduced, the farmers were able to achieve improvements in milk production, a decrease in somatic cell counts, a decrease in cases of mastitis and a decrease in time to milk herds. Also noted were improvement in breeding and labor productivity and a reduction in electric power bills.

Blackburn is presently expanding its dealership network throughout the East.

For additional information or for the names and locations of authorized EGS dealers, call Blackburn at 1-314-993-9430.


Deere announces financing

MOLINE, IL - John Deere has announced new programs to waive finance charges for varying periods for major items of farm equipment purchased through the John Deere finance plan.

Waiver of finance charges reduces the interest paid during the term of a retail financing contract. If payments are required during the waiver period, the program permits a faster buildup of the buyer's equity since all such payments apply entirely to the principal.

Under the newly announced program, finance charges on all used combines and new John Deere combines will be waived until the beginning of the use season in 1986, and in some cases until the beginning of the use season in 1987.

Yelow Buttercup Farm	5	3	10	305	20	912	3.8	791
	87	3	4.3	305	24,593	3.4	844	
	144	3	3.6	305	17,249	5.0	857	
Way Brite Farm	G32	3	5.9	305	20,042	3.7	742	
	G18	3	5.2	305	17,530	4.3	756	
	G14	3	3.1	305	20,099	3.8	760	
Leroy Deputy	Salt	3	7.0	305	19,751	3.9	777	
	Orida	3	6.3	305	22,191	4.2	932	
	Fancy	3	4.3	305	20,061	3.8	760	
Rinker Bros	Sarah	3	5.5	301	18,074	4.0	714	
	Fran	3	4.1	273	18,540	3.9	729	
Getty Acres	275	3	7.3	305	21,246	3.4	725	
	359	3	5.4	305	21,780	3.6	794	
	416	3	5.1	305	16,609	5.1	847	
Robert L Rohrbaugh	26	3	4.3	305	14,000	5.1	714	
Zeppdale Farms	96	3	4.6	305	18,471	4.0	733	
George I Lauchman	Hazel	3	8.1	305	23,192	3.4	786	
Home Side Acres	Nena	3	8.10	305	25,512	3.6	930	
	Tinker2	3	4.9	305	17,881	4.3	760	
	Abbey	3	3.4	305	19,040	3.8	724	
MJ Roche	Girl	3	6.2	305	18,562	3.9	719	
Fred Chris McGillvray	22	3	4.11	305	20,811	3.7	771	



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Farm fan Model 350 batch grain dryer/augers. 609-259-3733.

Fiat Agri Power tractor, 72 hp, used 82 hours. 301-879-9537

FOR SALE: Glenco soil-saver chisel plow, 7 tooth w/hydraulics, \$2,100. Lanc. Co. 717-733-6333.

FOR SALE: Hay pickup for JD 35 to 3800 harvester, JD 2840 tractor w/1900 hrs., excellent condition. 215-445-4410.

FOR SALE: H Farmall tractor. \$795. 717-382-4725.

FOR SALE: MF 1080 tractor 38" wheels; IH 3 pt. 7 tooth chisel plow. Model 55. 717-587-3396, evenings 348-0693.

FOR SALE: New 36" Roskamp ear corn roller-crusher w/silo blower discharge. Priced to sell. One still in stock. Call, 717-687-7574.

FOR SALE: NI 319 picker, 2R mounted 322, husking bed, 315 sheller. Farmec gravity wagon, \$500. 215-682-6516.

FOR SALE: NH stackliner 1034 and NH stackline 1010 automatic bale wagons, good working condition. 717-626-2866.

FOR SALE: Rebuilt Wearline feed cart w/4 new batteries, rebuilt charger, \$1,500. 717-924-3460

FOR SALE: WD45 AC tractor, good condition. \$1,300. 717-536-3597.

FOR SALE: 2R custom built corn planters w/JD max-emerge units. Pull type or 3 pt., no-till or conventional, with or without fertilizer attachment. For brochure: Pequea Planter, RD2, Box 2276, Gap, PA 17527.

FOR SALE: 345 Mustang skid loader; 930 Case diesel tractor; AC 14' wing disc. 717-684-3579.

Combines, corn heads, grain heads-inventory moving fast. It's hard to keep up with advertising. Wholesale prices only. Call us, Larry Staker, "The Combine Man", 219-862-2151

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AC WC tractor, \$550.: 6 h.p. JD lawn tractor w/mower & snow blade, \$475. 717-464-4803

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All types of hay, straw and ear corn. Two row AVCO New Idea 319 mounted corn picker w/322, 12 roll husking unit and new 315 sheller unit. Call 201-735-8389 after 6+30 PM.

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Case 930 diesel, Comfort King, standard. 301-582-1927

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For Sale: International 1150 Grinder Mixer. Fair condition. \$1800. or best offer. Berks Co. 215-682-2290.

For Sale: JD 4-16" bottom plows, used 3 years coverboards w/ripplediscs, fully mounted plow excellent shape. 717-432-5906 after 8:30 P.M.

For Sale: JD 4630, IH dual radials, good condition. \$16,000. 717-374-1826.

For Sale: JD 4430, cab air, new turbo, new rubber, good condition w/JD 158 loader w/snow bucket and regular bucket. \$13,500. 717-733-1602

For Sale: MF 2675 w/1400 hrs., roll guard good condition. Lebanon Co., 717-866-6167.

For Sale: NH 38 Chopper, 1983 model like new, cut less than 2 acres. NH 518 Manure Spreader w/hyd. engine. NI 325 Corn Picker w/12 roll husking blades. IH#5 Flail Chopper. Pec Grinder Mixer. Tye Till Drill. Juniata Co. 717-463-3371. After 4:00 717-463-2877.

For Sale: 213 New manure spreader, good condition, 165 bushels Chester County. \$750. 215-869-3824

For Sale: 30 ton feed chopper, also Chopper blower off Fox self propelled harvester. Henry Beiler, R.D.1, Box 66 Christiana, Pa. 17509

For Sale: 3 John Deere 716-A Silage Wagon excellent condition. 717-653-5647

For Sale: 48" wide sing point fast hitch flail mower, \$500. Berks Co. 215-683-7230.

Gehl 120 Grinder Mixer working condition, \$2500. 703-786-8572 703-972-1738.

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IH 1066 hydro w/dual excellent condition. \$7,000. 301-833-9091

IH 1300 sickle mower fast hitch, excellent condition. \$650. Offer 301-833-9091

IH 2350 loader, excellent condition. \$2,500. Offer 301-833-9091

IH 460 Farmall gas, 2 plow, NF, excellent condition. \$1,800. 301-833-9091

IH 806 diesel for part engine in excellent condition; JD 7000 4 row narrow conservation planter; JD 24T baler Lebanon Co. 717-273-2910

Int. 1066 w/cab, new fork, excellent condition. 814-793-4293

Int. 684 D. tractor, used. Asking \$12,000. 215-588-7019 between 8 & 6PM.

Int. 856, original paint dual hydraulics, 38" rubber, excellent condition. 814-793-4293.

IRRIGATION PIPE HUMIDISTAT: 600' used 6"x30'. Also, Humistat Hydromatics, Int'l. 717-532-9108.

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JD 2030 diesel, independent PTO, weights, nice. \$5,900. 717-532-8926

JD 2640, w/2 outlets ind. PTO w/loader. \$13,350. 703-786-8572 or 703-972-1738.

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