

The Oelwein Daily Register

Monday, February 11, 1974—Oelwein, Ia.

Fayette County Soil Conservation District's annual report for 1973

DISTRICT GOVERNING BODY

Frank Thyer, Randallia, Chairman
Leslie Anderson, Castalia, Commissioner
Paul Schuchmann, Jr., Arlington, Commissioner
Alfred Stewart, Oelwein, Commissioner
Cleve Bennett, West Union, Commissioner

DISTRICT EMPLOYEES

Belva Bauer, Clerk-Typist II
Lyle F. Jackson, District Conservationist
William M. Baugh, Conservation Technician
John M. Murphy, Soil Conservationist
Ronald K. Kuehl, Soil Scientist
Walter F. Elgin, Soil Scientist
Gary A. Lindgren, Soil Scientist

DISTRICT ACCOMPLISHMENTS

July 1, 1972—June 30, 1973

	Number	Acres
District Cooperators	56	12,081
Soil & Water Conservation Plans	335	11,711
Farms Served	335	
Farms Applying One or More Conservation Practices	278	
Units of Government Assisted	2	
Group Conservation Plans	14	
Groups Assisted	43	
Groups Applying Practices	48	

MAJOR PRACTICES APPLIED

	Number	Acres
Detailed Soil Survey (acres)	45,790	
Conservation Cropping System (acres)	3,970	
Contour Farming (acres)	850	
Critical Area Planting (acres)	6,411	
Crop Residue Management (acres)	175	
Diversion (feet)	2	
Flood number	12,800	
Field Border (feet)	2	
Fishpond Management (number)	2	
Grade Stabilization Structure (number)	7	52
Grassed Waterway or Outlet (acres)	1,964	
Holding Ponds or Tanks (number)	2,048	
Minimum Tillage (acres)	2,048	
Pasture & Hayland Management (acres)	2,048	
Pasture & Hayland Planting (acres)	2,048	
Stripcropping (acres)	2,048	
Structure for Water Control (number)	87	25,363
Terrace Parallel (feet)	23,986	
Drain Tile (feet)	658,300	
Tree Planting (acres)	40	
Wildlife Wetland Management (acres)	188	
Wildlife Upland Management (acres)	124	
Woodland Improvement (acres)	8,227	
Land Adequately Treated (acres)	8,227	
Cropland to Grassland (acres)	8,227	

ACHIEVEMENTS OF DISTRICT ACTIVITIES 1973

The District Commissioners held regular monthly meetings with several special meetings to conduct the business of the district. This included plans and preparations for the various events that are sponsored by the district, also reviewing all new cooperators, basic conservation plans and group plans. New responsibilities were added to the duties of the commissioners July 1 with the appropriation of state funds to the Department of Soil Conservation to be used for construction on permanent sediment and erosion control practices.

The public was informed of soil conservation progress with news stories and radio reports. The office staff and commissioners assisted with or conducted conservation tours, talks, demonstrations, presentations and contests. During 1973 there were 573 calls and 898 telephone calls.

Iowa and National Association of Soil Conservation dues were paid in full. Alfred Stewart, Commissioner attended the Commissioners Short Course in January at Ames.

John Murphy and Morris Ives presented a program to an Oelwein Adult Farmers class March.

Mike Murrell, West Union was winner of the Soil Conservation Speech contest held March 3 at North High, West Union.

A program on conservation practices, the State Conservancy Law and land use was presented to an adult education class at Starnum school by Lyle Jackson and Roger Kuehl.

The Fayette County Soil Survey is completed. The Soil Scientists moved to their new locations April 1. Ronald Kuehl and Gary Lindgren are headquartered at Elkader in Clayton Co. Walter Elgin moved to Boone County.

A county wide tree planting program was sponsored by the West Union Chamber of Commerce and Fayette S.C.D. with 26 participants ordering 1,900 trees.

William Baugh conducted a surveying demonstration for a waterway and structure at North High School. West Union and gave conservation talks at the high school, Hawkeye Elementary, Fayette elementary and Fayette Junior High schools in April.

An ecology talk was given by Lyle Jackson at Echo Valley State Park to a group of North Junior High school students.

A slide presentation and conservation talk to the Fayette County Farm Bureau women was given by Jackson and Baugh.

Fifty Soil Stewardship booklets and 2 mo. church bulletin inserts were distributed to the churches in Fayette County by the commissioners.

A conservation tour for Hawkeye elementary students was conducted by Baugh. A sixteen Junior High school was added in their tree and grass plantings for their newly established outdoor classroom by Jackson and Murphy.

Lyle Jackson was injured in a motorcycle accident over the Memorial Day weekend.

In the Des Moines Register & Tribune Conservation Achievement Awards contest Mark Jacobsen, West Union, was county and regional winner for Conservation Teacher in elementary division. Clayton Ash, Elgin was county winner in the farmer section, division I.

Mike Murrell, West Union, won the Region 4 Soil Conservation Speech Contest held at National. He also won second place in state competition at Des Moines in September. A program was presented to the Northeast Iowa F.F.A. subdistrict meeting in Decorah by Jackson.

John Murphy moved to Garner in Hancock County where he was promoted to District Conservationist.

Mr. and Mrs. Alfred Stewart and Clerk Belva Bauer attended the annual conference in Des Moines in September.

Two teachers, Joanne Winter, Hawkeye and Lorraine Roth, West Union attended the Conservation Workshop October 3 and 4 at Ewald, Strawberry Point. They were sponsored by Hawkeye Co-op and West Union Co-op respectively.

Forty F.F.A. students from five schools competed in the Fayette Soil Judging Contest held October 27 at the Alfred Stewart farm near Oelwein. Team winners were North Fayette, West Union, first prize; Starnum, Arlington, second, and Sumner, third. Jackson conducted a tour of the Volga Lake area and watershed November 25 for 60 people which included state senators and representatives.

A program with slides was presented to 26 North Fayette fourth grade students by Jackson.

FINANCIAL STATEMENT

July 1, 1972—June 30, 1973

IM BUDGET	
Commissioners travel expenses to district, regional and state meetings and other travel in the county on district business	\$662.78
Office Supplies	50.27
Printing	1.60
Office Expenses	79.15
Total	\$793.80

FM BUDGET	
Salaries & Travel for Clerk, Conservation Aide & Consultant	\$6,962.83

COMMISSIONERS' REVOLVING FUND	
Balance on Hand, July 1, 1972	\$ 409.81

(Continued on Page 2)

Concentrated effort aimed at all-out production in 1974

by Lyle F. Jackson
District Conservationist
S.C.S. U.S.D.A.

WEST UNION—Farming is being encouraged to make a concentrated effort for maximum grain production this year. The soil conservation program has been designed to bring most of the acreage into production. Continued higher grain prices are likely to bring still more land into new crops.

Soil, the most valuable resource on most farms, may be abused in that it is not a quick, short term profit. Marginal land, better suited to pasture, is being plowed up to be planted to corn and soybeans.

Soil erosion is most apt to be required in its extreme form as deep gullies in armland. Field erosion is similar but on a smaller scale with the risk generally between crop rows and usually not so deep as to prevent field operations across them.

Shallow erosion is the most common type of soil erosion in Northwest Iowa and Fayette County. It is also the most difficult to detect. Shallow erosion is the rather uniform loss of surface from a field caused by runoff water carrying soil particles with it. In the deep furrows of Iowa the effect of the surface may be much the same as to 10 inches deeper. In contrast, erosion of timber lands with slow flow liquids is easily recognized when the lighter colored soil is panned up. Sediment from soil erosion runs from the field and fills grassed waterways, tile ditches, and stream channels.

Land use regulation which has been introduced in the Iowa Legislature recently limits at least partially from the misuse of land. This proposed legislation, which is probably not very well understood by the general public contains a moral issue of absolute right of land ownership versus relative rights of owning land.

Both state and federal cost sharing will be available to farmers for permanent soil conserving practices. Included will be erosion control structures, terracing, grassed waterways, farm ponds, farmstead windbreaks, and field tree planting. Most attractive practices will be shared at 50 percent of the cost. Other effective conservation practices are, of course, contouring, no-till, strip-cropping and minimum tillage. Although no payment is involved, these soil conserving practices are very effective in reducing soil loss.



CONSERVATIONIST—Lyle Jackson of West Union is the district conservationist and head of the Fayette County Soil Conservation Service office in West Union.

Info available from soil survey

by Ron Kuehl
Soil Scientist
S.C.S. U.S.D.A.

WEST UNION—With the Fayette County soil survey completed, we can begin to think about what information can be obtained from the soil survey and what use can be made of it. Of course the next question that comes to mind is where the information can be obtained.

The final soil survey report will be published in book form. The soil survey is basically an inventory of the soil resources of the county and so the report contains soil maps showing all the land in the county, including that occupied by cities and towns. The scale will be four inches on the map equal to one mile on the land. Three basic features are shown on the map: The different types of soil along with slope and erosion, drainage features such as rivers, streams, waterways, lakes, ponds, and cultural features such as houses, churches, cemeteries, schools and roads. This final report will not be published for a few years yet.

Because there is a time lag between the time of completion of field work and the publication of the final report, a preliminary report of the soil resources of Fayette County has been prepared. A meeting has been scheduled for Monday afternoon, March 4 at the Interstate Power meeting room in West Union. At this meeting, a limited supply of the preliminary reports will be distributed mainly to those individuals who use the soil survey information in their work. A copy of the preliminary report will probably also be placed in each school and library in the county.

These reports are an inventory of the types of soil in the county. Other information given in the reports includes:

- (1) Suitability of each soil for location of houses, septic tanks, sewage lagoons, etc.
- (2) Predicted yields of each soil for corn, oats, soybeans, and alfalfa.
- (3) Engineering tables showing the classification under the AASHTO and unified systems.
- (4) Engineering interpretations indicating the suitability of the soils for road building, sources of sand and gravel, suitability for topsoil.

Detailed descriptions on each soil in (Continued on Page 2)

COMMISSIONERS—Members of the commission and staff of the Fayette County Soil Conservation District are, seated, left to right, Frank Thyer, chairman, Randallia, and Belva Bauer, district clerk. In the back row, left to right, are Lyle Jackson, district conservationist; Paul Schuchmann, Jr.,

Arlington, district commissioner; Leslie Anderson, Castalia, district commissioner; William "Bill" Baugh, West Union, conservation technician. Not pictured when the picture was taken were commissioners Alfred Stewart, Oelwein, and Cleve Bennett, West Union.



A.S.C.S. COUNTY COMMITTEE—Members of the A.S.C.S. director, Maynard Abert for the picture was taken at a committee meeting a recent meeting, chairman Les Lynch, Waucoma. The group meets left to right are Norma Klink, Maynard; Herbert Ash, weekly at the A.S.C.S. office in Fayette.

Chairman, Elgin; and Gene Brunell, county executive

Annual Report

(Continued from Page 1)

Receipts July 1, 1972—June 30, 1973 1,983.49
Total Funds Available 12,393.30
Miscellaneous Expenses 1,919.73
Balance on Hand June 30, 1973 1,473.57

ACKNOWLEDGMENTS

The District Commissioners wish to thank the many organizations that have assisted the district during the year. Among these are the Soil Conservation Service, Agricultural Stabilization and Conservation Service, Extension Service and Farmers Home Administration. State organizations assisting the district were the Department of Soil Conservation, Iowa Association of S.C.D. Commissioners, and the State Conservation Commission.

The newspaper and radio and television stations serving this area have made a valuable contribution by giving publicity to activities of the district.

We would also like to thank the firms doing business in the county whose contributions made possible the printing and distribution of this report.

Respectfully submitted, Fayette Soil Conservation District Commissioners, Frank Thayer, Chairman, Paul Schumann, Jr., Alfred Stewart, Leslie Anderson, and Cleve Bennett.

Completion of soil survey reveals 75 soils in county

By Ron Kunkel
Soil Scientist
S.C.S., U.S.D.A.

WEST UNION—The recently completed soil survey in Fayette County shows 75 different soil types ranging from the nearly level Clyde and Fayette soils in the northeast part of the county to the steeply sloping soils in the southwest. Each different soil has certain limitations and should be managed according to those limitations for best results.

The Clyde and Fayette soils, for example, are not well-drained. They have a high water table and should be tile-drained if used for cropland. On the other hand, the much steeper Fayette soils need erosion control practices such as terraces if high corn yields are to be obtained year after year. Some soils respond to fertilizer better than others. Burdett, for example, is a sandy soil that has a low available water capacity during the growing season, so it doesn't respond as well to fertilizer as Kenyon, a heavy soil with the potential of producing high crop yields.

Soil information can help at planting time. Some soils like sand, a soil with sand and gravel at about two to three feet depth, warm up quickly in the spring, seed germinates better and the crop gets off to a better start than if done in the poorly drained Clyde soils.

Even in pasture, soils are important. The survey indicates whether the soil would be well suited for pasture. Then, when you decide to use pasture, the soil survey will be a good



Information

(Continued from Page 1)

valuable information about their general soil classification. With the information from the soil map, a farmer can develop a good plan for erosion and drainage control. The soil map also shows slope and erosion, indicating potential problem areas.

Information supplied by the soil map is also very useful in tax assessment and land evaluation. Assessors throughout the state have found that the survey provides a fair and equitable basis on which to evaluate farms.

A prospective buyer of a farm can evaluate very closely its yield potential if he has a soil map. Income and/or production are shown on the soil map. Spots, or small areas of contrasting soil, are also shown.

Electrical generation has been the fastest growing use of fuel since 1960, with a growth rate of 7.9 per cent a year. The rates for other uses are transportation, 8.1 per cent; household and commercial, 12.2 per cent; and industrial usage, 13.1 per cent. Most of our transportation — by automobile, truck, train and plane — depends on fuel produced from petroleum.



Mrs. Eugene (Betty Jean) Siler, office assistant at the Fayette County Extension Service, Fayette.

EXECUTIVE DIRECTOR—Glad Brownell, Maynard, is the executive director of the Fayette County A.S.C.S. office in Fayette. Brownell is in charge of administering the soil-side program, conducting facility tours and is in charge of the A.S.C.S. office.



Marcella Locks of Fayette County S.C.S. price support clerk.

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The Elgin Cooperative Company would like to take this opportunity to congratulate the . . .

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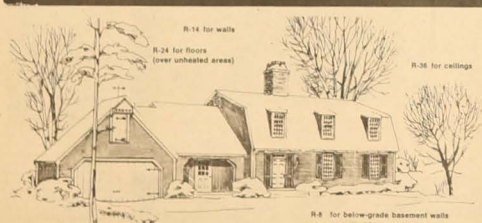
From a publication of The President's Committee on Consumer Interests

The right amount of insulation is one of the smartest investments you'll make in your home. In addition to insulation — storm windows, storm doors and weather stripping around all openings reduce heat loss and save you money.

Here are some of the "dividends" you'll get . . .

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All building materials and insulation have "R" values that indicate the resistance of the materials to heat penetration. The higher the "R" numbers of the materials in the walls, ceilings and floors, the greater the insulating value. For economical electric heating, the recommended standards for our area are:

R-14 for walls

R-24 for floors (over unheated areas)

R-36 for ceilings

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R-24 for floors (over unheated areas)

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DON FLEIHLER TILE DRAINAGE CONTRACTOR Arlington 633-2355	DAVIS SAND & GRAVEL "EARTH MOVING OF ALL KINDS" Dunkerton Phone 822-4287	SOIL CONSERVATION STARTS WITH YOU!

CONTROLS GULLY—Shown above is an erosion control structure completed last fall on the Kenneth Strong farm in Pleasant Valley township. The structure is controlling a 10-foot deep gully. This was a project cost-shared 50 per cent with state funds.

COST SHARED—Francis Balchin is shown standing on the apron of his erosion control structure that was cost-shared 50 per cent with state cost-sharing funds. This structure with buffer of control is eliminating a ditch cutting back across the field.

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Our land, water and vegetation is an honored stewardship that is ours. Let us cherish it.

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THIS COMMITTEE—Members of the Farmers Home Administration are seated. Jim Rogers, supervisor, West Union; standing, left to right, Eugene Strong, Elgin; Louis Kane, Westgate; and Clarence "Burr" Cannon, West Union.

SOIL CONSERVATION & BUILD-UP IS PROFITABLE

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GUARD THE FUTURE OF YOUR FARM, COMMUNITY . . .

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COUNTY WINNER—Crayton Ash of Elgin was the 1973 Fayette County winner in the Register and Tribune Conservation Awards. His completed conservation plan includes contour strip-cropping, terracing and grassed waterways.



DAM HELPS—Mrs. Ralph Felt, Elgin, is standing on top of an erosion control structure recently completed on the first farm in Elgin township. Purpose of the dam was to stop water from running through a nearby feedlot, stabilize an active gully, provide a secondary source of water for cattle, and provide recreational benefits. Cost-sharing funds from the Iowa Department of Soil Conservation paid for 50 per cent of the cost of the structure.



EROSION CONTROL—Conservation Technician Bill Haugh examines a three-foot erosion control drop spillway structure, recently completed on the North Fayette High School property. It was constructed by the industrial arts class of North High. The purpose is to eliminate a gully cutting back across the field.

NEW TERRACE—Thomas Mitchell of Beloit township is standing on a terrace constructed on his farm late in 1973. Terraces will slow run-off water from the field. Water will leave the terraces through a surface inlet into a tile line. The terracing is being done in conjunction with other drainage work.

ATTENTION FARMERS!

DUE TO THE ANTICIPATED STEEL SHORTAGE
BENLEN GRAIN STORAGE EQUIPMENT SHOULD BE
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 EQUIPPED WITH A CHISEL PLOW SAVES TIME IN TOP CONDITION READY FOR 1000 HRS. OPERATION — HIGH SPEED FLOWING AND MORE COVERAGE SAVES LABOR AND FUEL



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Type of Account	Annual Interest Rate	Effective Annual Rate
48 MONTH CERTIFICATE \$2,000 minimum Interest compounded quarterly	7 1/2%	7.73%
36 MONTH CERTIFICATE \$1,000 minimum Interest compounded quarterly	6 3/4%	6.98%
24 MONTH CERTIFICATE \$1,000 minimum Interest compounded quarterly	6 1/2%	6.72%
12 MONTH CERTIFICATE \$1,000 minimum Interest compounded quarterly	6 1/2%	6.72%
3 MONTH CERTIFICATE \$1,000 minimum Interest compounded quarterly	5 3/4%	5.92%
DAILY INTEREST ACCOUNT No minimum deposit Withdrawal at anytime	5 1/4%	5.32%

Each account is insured up to \$250,000 by a Federal agency certificate withdrawal before maturity are subject to substantial interest penalties as required by law.



FIRST FEDERAL SAVINGS AND LOAN
 11 SOUTH FREDERICK
 Oelwein



CONSERVATION WINNER—Marie Jacobson, a member of the faculty at the North Fayette County Community Elementary School, West Union, was the county and regional winner at the Des Moines Register and Tribune's Conservation Teacher awards.



Mrs. Laverne (Dickens) Rhee of Fayette is the ASCS production adjustment clerk.

THE GOOD LAND

STOP SOIL EROSION
LET'S KEEP IT THAT WAY

WE CONGRATULATE THE
FAYETTE COUNTY SOIL CONSERVATION

DISTRICT FOR A JOB WELL DONE.

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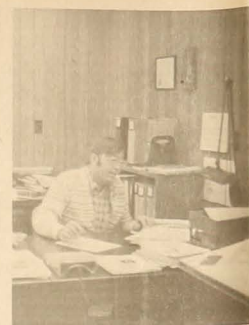


MEET THE TEAM—Left to right are W. B. Sandager, manager; Donna Halverson, secretary; John Hamilton, fieldman.

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 West Union, Iowa

W. B. Sandager, Manager



CIVIL ENGINEER—Gary Formanek, Civil Engineer, Elkhart, is in charge of the S.C.S. engineering for the east half of a 15-acre area including Fayette County.

Predict bright future for U.S. soybean farmer

WASHINGTON (AP)—A soybean farmer tentatively estimated at about 174 million bushels, equal to 4.4 million metric tons. Brazil is to begin harvesting soybeans in a few months, and its 1974 production might be 220 million bushels, or 6 million tons.

The United States, by comparison, produced more than 3.5 billion bushels of soybeans in 1973, last year.

Brazil's soybean production is expected to continue to expand at a significant rate as new land is brought under cultivation, Holt said.

Holt, he said, in a report published in a weekly issue of Foreign Agriculture, a partial recovery of Brazil's soybean industry—a larger potential crop in 1974. Brazilian soybean production is expected to continue to expand at a significant rate as new land is brought under cultivation, Holt said.

Then, Holt said, world output of protein meals—important as an intermediate in animal and poultry feeds—is expected to be around 65 million metric tons, up 8.8 million from 1973.

Holt said rising affluence in many countries, accompanied by a demand for more livestock products, points to a continued large demand for protein meals through the 1970s. On a shorter term basis, however, fuel shortages, inflation and many other factors could cause market problems internationally.

But looking farther ahead, Holt said soybeans would play a more dominant role in the future growth of protein feed markets.

A number of countries will become interested in soybean production, but some may not be successful because they lack the right combination of inputs to make it economically worthwhile, he said.

Brazil, however, is proving to be an exception. Soybean production there has grown phenomenally, from a minor crop

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Practice soil conservation,
 it pays off



IT'S NEVER TOO EARLY

appreciate it.. conserve it

Conservation is the name of the game today whether it is fuel conservation or soil conservation. Both are extremely important to our nation's future

Getting right down to it, Soil conservation and fuel conservation have a great deal in common. Both are tied to not only our nation's natural resources but to the resources of her citizenry.

Conservation is important we urge it in every way.



NATURAL GAS DIVISION

Iowa electric light and power company



SOIL SCIENTISTS — Field work for the Fayette County Soil Survey has been completed. Soil scientists are now mapping soils in Clayton County. Left to right are Gary Lindgren, West Union; Robin Wiener, Elkader; and Ron Kuehl, survey leader from Elkader.

Geared toward conserving and preserving resources

by William M. Raugh
Conservation Technician
R.C.S., U.S.D.A.

The Fayette County Soil Conservation District has been established for approximately 22 years. It is geared toward conserving and preserving our natural resources to improve our environment. Decisions must be made by local users.

When we speak of conservation practices, we automatically think of terraces, which have been in existence for a long time. During that time they have made a few changes to fit today's operations. Parallel, straighter and longer rows for more intense cropping. All water is collected in a storage basin and collected through an intake and tile. This controls approximately 80 per cent of the erosion in today's operations.

But this is not the only answer for sediment stoppage. There are other methods for trying to control our erosion problem: (1) Contouring — planting around the hill or across the slope, controls approximately 20 per cent. (2) Stripcropping — the crops are arranged so that a strip of grass is alternated with a strip of clean tilled crops or fallow or a strip of grass is alternated with a clean growing crop. This is approximately 40 to 50 per cent control.

Minimum tillage is also an effective method of controlling our problem.

This past year Fayette County received \$18,300 state cost-share



TECHNICIAN — William "Bill" Raugh is the conservation technician with the Soil Conservation Service located in West Union.

to apply towards getting conservation on the land. Completed since July, 1973 were seven erosion control structures, 28.3 acres of waterways, and 10,075 lineal feet of tile outlet terraces. The above mentioned are only a few ways of controlling erosion.

There is still time left that we can do something towards this sediment problem that we are faced with today.

Feel free to call or stop in for assistance at the Fayette County S.C.D. office, 128 S. Vine St., West Union, phone 423-3179.

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One extra pig per litter can increase profits by 30 percent. Put your sows and gilts on Wayne Sow Blox and get started in the right direction. Better nutrition means bigger, stronger litters... better milking sows. You simply scatter Sow Blox on the ground. They disappear fast... without waste.

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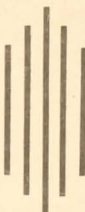
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PATTISON BROS. MISSISSIPPI RIVER TERMINAL INC.



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Grain Being Transferred From Our Terminal Into A Barge

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- A. ABILITY TO PROVIDE BETTER SERVICE
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IF NO ANSWER CALL FAYETTE, IOWA . . . 319-425-3391

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We are providing new spraying services and will be able to spray wet and dry fields. Some soybean chemical herbicides need to be sprayed after planting and before soybean plants emerge. Lloyd Pattison & Sons, Inc. are trying to solve the crucial timing problem for good weed control.

In the time of shortages and equipment delays, spring spraying needs to be planned as early as possible. Some chemicals that we now have in inventory cannot be reordered. This new Ag-Cat is a 2 wing airplane and can fly

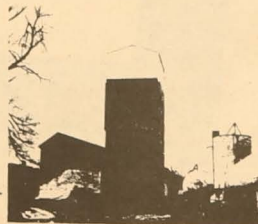
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