

The Annual Report of the Cedar County

SOIL CONSERVATION DISTRICT



Darrell Brown, chairman of the Cedar Soil Conservation District commissioners, foresees dramatic changes in farming practices when the next generation of farmers takes over.

Chairman of District Soil Commissioners...

Brown predicts dramatic changes in farming

Darrell Brown predicts that farming will change dramatically within a few years when the next generation of farmers takes over. While he has seen great improvement in farmer acceptance of soil conservation practices during his 10 years as a Cedar Soil District commissioner, Brown is disappointed that more farmers are not on the "band wagon."

He thinks that many of the older farmers are reluctant to invest in the new equipment necessary for minimum till or no-till practices. But he says there is evidence all over the district that these practices save not only soil, but time and energy as well. And he says the time has come when farmers will hesitate to admit they are still using moldboard plows.

Brown is chairman of the district commissioners. Other members are Bill Davidson, Mechanicsville; Jim Bowie, Tipton; Bob Kruckenberg, Lowden; and Elmer Wilke, Tipton. They meet monthly and sometimes have special meetings. It is their responsibility to approve soil conservation service funding of soil conservation projects in the district.

The Soil Conservation Service was allocated \$41,000 in state funds for projects for the 1978-79 fiscal year. The ASCS this year was allocated \$61,885

in federal funds which are also available for conservation work. In many instances the SCS is responsible for the technical aspects of any projects receiving federal funds through the ASCS.

Federal and state funds are made available on a cost sharing basis for large, costly conservation projects such as terraces, windbreaks, erosion control dams, grassed waterways and pasture improvements.

But the commissioners do a lot of work to promote projects "that don't cost, they pay," says Brown. They discourage the clearing of timber and encourage contouring, minimum till and no-till farming. Brown tried minimum tillage on his own farm in 1966 and hasn't used a moldboard plow since. He says he can finish his planting with 2 trips across the field instead of 5 or 6, with conventional methods, which makes for an obvious saving in labor and fuel. Leaving so much trash on top of the ground may not look as nice as plowed fields, but that trash helps hold both moisture and soil.

Brown says, "The need to use farming practices that prevent runoff are more critical than ever before in history because of the chemicals now used in farming." As soil moves into streams it carries the chemicals with it, thus contaminating streams,

and federal and state governments are more concerned than ever before with water pollution. Brown says he hopes farmers will voluntarily control erosion before the government requires them to do so.

The Federal Water Quality Act was passed in 1972 with an amendment, section 208, concerning non-point pollution. Non-point pollution is the type which results from soil erosion. At present the Iowa plan for compliance is a voluntary program. However, if landowner participation is not adequate to achieve results in water quality improvement which satisfy the Environmental Protection Agency, a mandatory approach may be developed.

Even without the 208, the soil commissioners can require farmers to "clean up their act." If they receive a complaint from an individual, city, county or the state that excessive erosion is causing damage to property owned by the complainant, the commissioners can require the offender to control that erosion.

Brown believes, "If farmers would just stop to think how privileged we are to be able to till this wonderful Iowa soil, and that we must pass it on for future generations to use. We are obligated to leave it in as good or better condition than we found it upon our arrival."

PERSONNEL ASSISTING THE DISTRICT

DISTRICT COMMISSIONERS

Jim Bowie, Chairman Center Township
Ken Mather, Vice Chairman Iowa Township
Darrell Brown Gower Township
Bill Davidson Fremont Township
Elmer Wilke Rochester Township
Russell Voss, Asst. Commissioner Inland Township
Jerry Goldsmith, Asst. Commissioner Fairfield Township

OFFICE STAFF

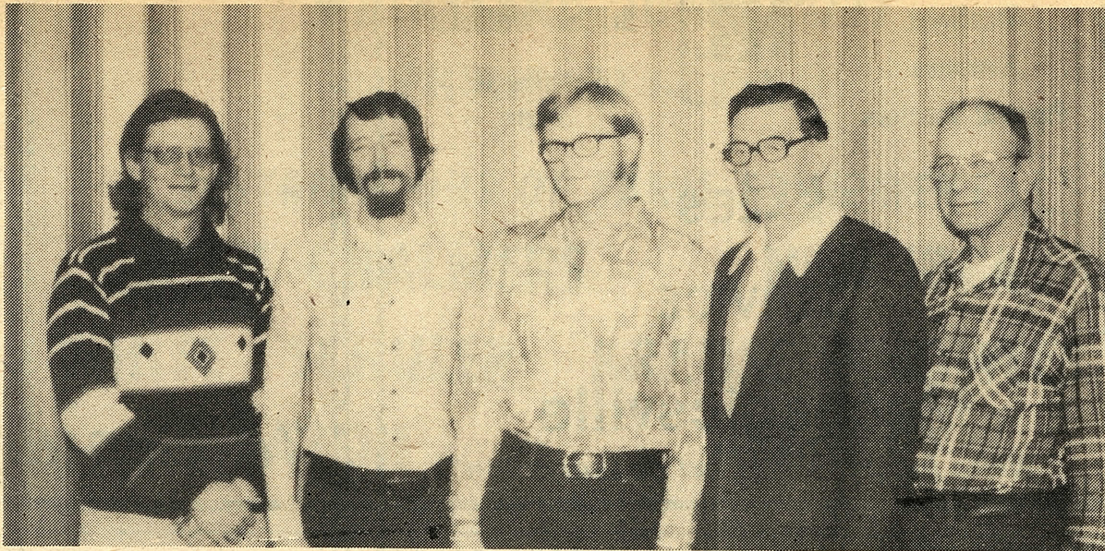
Warren Johnson District Conservationist
Clarence Beyer Conservation Technician
Hilda Carey District Clerk

AREA OFFICE STAFF

Eldon Weber Area Conservationist
Tom Brown Area Engineer
Marion Ebert Engineering Technician
Stan Simmons Engineering Technician
Ron Wilson Engineering Technician
Suzette Betts Area Clerk
Darlene Lauder Assistant Area Clerk

OTHER PERSONNEL ASSISTING DISTRICT

Ken Muller County Extension Director
Ed Gardiner District Forester
Don Pfeiffer Wildlife Biologist



Members of the Soil Conservation District Commissioners are: (from left) Russell Voss, assistant, Bill Davidson, Jim Bowie, Darrell

Brown, Elmer Wilke. Not present was Ken Mather.

1978 District activities

Jim Bowie was elected chairman of the district commissioners, Kenneth Mather, vice-chairman; Hilda Carey, treasurer; and Kenneth Muller, secretary. Russell Voss and Jerry Goldsmith were appointed as assistant commissioners.

The district held its no-till banquet with 30 people attending. Farmers who participated in the contest explained no-till procedures.

The Cedar County Land Preservation committee held its first hearing with over 100 in attendance.

Warren Johnson and 3 commissioners attended the annual short course in Ames.

A district display board was completed and taken to local banks and the courthouse. A general soil conservation theme was used in the first set of pic-

tures showing both good and bad land use.

Several meetings were held on zero-tillage farming to discuss no-till techniques, and the use of the A.C. no-till planter which was provided by Ortho Chemical Co.

Cedar County Resource Coordinating committee met to review progress on 208 Planning.

Annual contractors' meeting held with approximately 25 people attending.

Warren Johnson, Hilda Carey and Russell Voss attended the Regional Commissioners' meeting at Little Amana.

About 60 people attended a no-till tour in June and another tour was held in July.

The District ordered 300 bumper stickers with the slogan "Send Corn Down the River - Not

Soil," and made them available for handouts, and to other districts in the area.

Approximately 2300 annual reports were mailed to all landowners and operators in the county.

The District sponsored one teacher to attend Iowa Teachers' Conservation camp in Mason City in July.

The District's Soil Judging Contest was held in October. Approximately 65 students participated from 4 schools. A plaque was given to the top scoring student from each school.

The Cedar County Sportsmen's club and the District Commissioners have each put up \$50 and ordered 3,000 trees and shrubs from the State Nursery. These were given to people interested in developing odd areas for wildlife habitat.



Bill Davidson II of Stanwood (left) won first place in the 1978 no-till corn yield contest. A plaque was presented to him by Darrell Brown, chairman of the district commissioners at the no-till banquet held Jan. 27.

No-till gains popularity in Cedar county

by Warren Johnson
District Conservationist

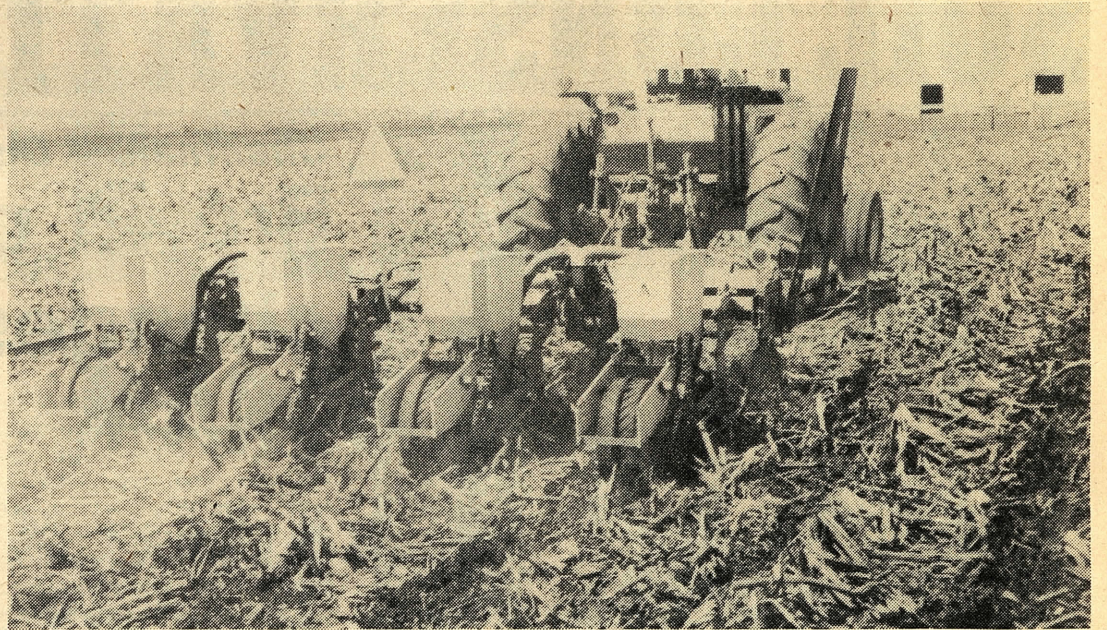
Over the past 3 years, interest in no-till farming has increased dramatically in Cedar county. In 1978 about 30 people tried this method of farming on around 600 acres. Of the many advantages for trying this type of farming, one of the biggest is erosion control. The 600 acres of no-till planted last year represent a saving of roughly 6,000 tons of topsoil. Soil that would otherwise have made its way to ruin grassed waterways, fill ditches or reservoirs, and pollute water supplies. In some areas of Cedar county, the topsoil is expected to be gone in 35 years under present farming practices. No-till farming offers the best opportunity to get this under control in the least time and at little or no cost.

The Cedar Soil Conservation District sponsored a no-till contest again in 1978. Thirteen farmers participated in the contest and checked their yields following rules similar to the Iowa Master Corn Growers Contest. First place went to Bill Davidson II of Stanwood who produced 172 bu/acre on his field of corn following alfalfa. Second place went to Eric Bailey of West Branch with a yield of 164 bu/acre on corn following corn. Bill Woods of Mechanicsville took 3rd place with 161 bu/acre of corn following alfalfa-brome pasture.

Of the 13 contest entries, 8 had yields of 150 bu. or better and the overall contest average was 143.51 bu/acre. How did some of the contest participants accomplish their successful results? Here are a few examples:

Bill Davidson II: The field was planted in a 3-year-old stand of alfalfa. About 4 days before planting (7-14 days preferred) it was sprayed with Banvel to knock back the alfalfa. A complete liquid fertilizer solution was applied, and the field was sprayed with 1½ pt. Paraquat, 2½ lbs. Atrazine, and 2½ qts. Lasso at planting time. A 12-row John Deere planter was used. A post emergence application of Banvel was used to clean up some spots of alfalfa that started coming back. Yield was 172 bu/acre.

Ken Burmeister: The field was corn the year before and is Fayette soil on up to 14% slope. P & K was spread earlier in the spring. A mixture of 3 lbs. Atrazine, 2 qts. Lasso, and 150 lbs. of liquid nitrogen were applied at planting time. The field was planted on the contour with the A.C. No-Till planter provided by Orange Country and Ortho Chemical Co., and Furadan insecticide was used. A few strips were sprayed postemerge with Atrazine and oil, but generally the weed control was better than other fields on the farm. Field yielded 154 bu/acre



This planter will again be available for anyone wanting to try no-till farming. The tractor is furnished by Orange Country in Tipton. The planter is provided by Ortho Chemical Co. and

and erosion was reduced from 15.2 to 3.2 T/Ac. which amounted to about 375 tons of soil saved over the 32 acre field.

The Lincoln School Vo Ag class had a no-till plot along with plowing and minimum tillage. P & K were applied as dry fertilizer and 175 lbs. liquid nitrogen was sprayed along with 2½ lbs. Atrazine, 2½ qts. Lasso and 1½ qts. Paraquat on the no-till field. The plot was planted on May 2 with the A.C. No-Till planter and yielded 153 bu/acre. Total costs involved in the 3 plots were: \$221.87 / acre for plowed, \$216.57 for double disked, and \$212.17 / acre for the no-till.

For anyone interested in trying no-till this coming year, the A.C. planter will be available for your use. The planter is leased by Ortho Chemical Co. and provided free of charge to anyone willing to try no-till. Orange Country in Tipton will be furnishing a tractor with monitoring set up to go along with the unit.

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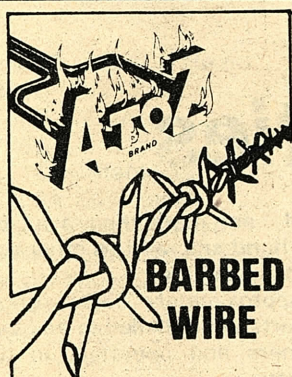


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Bowie serves on state land commission

by Warren Johnson

A year or so ago, many of you participated in a series of 3 hearings on Land Use held by the Cedar County Temporary Land Preservation Commission. Have you ever wondered what happened to your ideas? Jim Bowie, District Commissioner of rural Tipton, may have some answers. Bowie was elected to the State Temporary Land Preservation Commission where he and 17 other representatives from around the state are putting together a set of recommendations on land use to be submitted to the State Legislature.

"The whole Land Preservation thing was set up by House File 210 in 1977," Bowie said. "This was the enabling legislation where each county was to form a temporary land preservation commission made up of 3 soil conservation district commissioners, 3 members of the board of supervisors, and 3 representatives from cities and towns. This commission held 3 county hearings to get local ideas on land use issues, and opinions on what they would like to see in regard to land use legislation," Bowie said. Each county was responsible for developing a set of recommendations to the State Commission. Three representatives from each county commission (one from each of the 3 groups involved) took part in a regional convention which encompassed the same area as a congressional district. This convention chose 3 to serve on the State Commission of which Bowie is a member.

The State Commission has

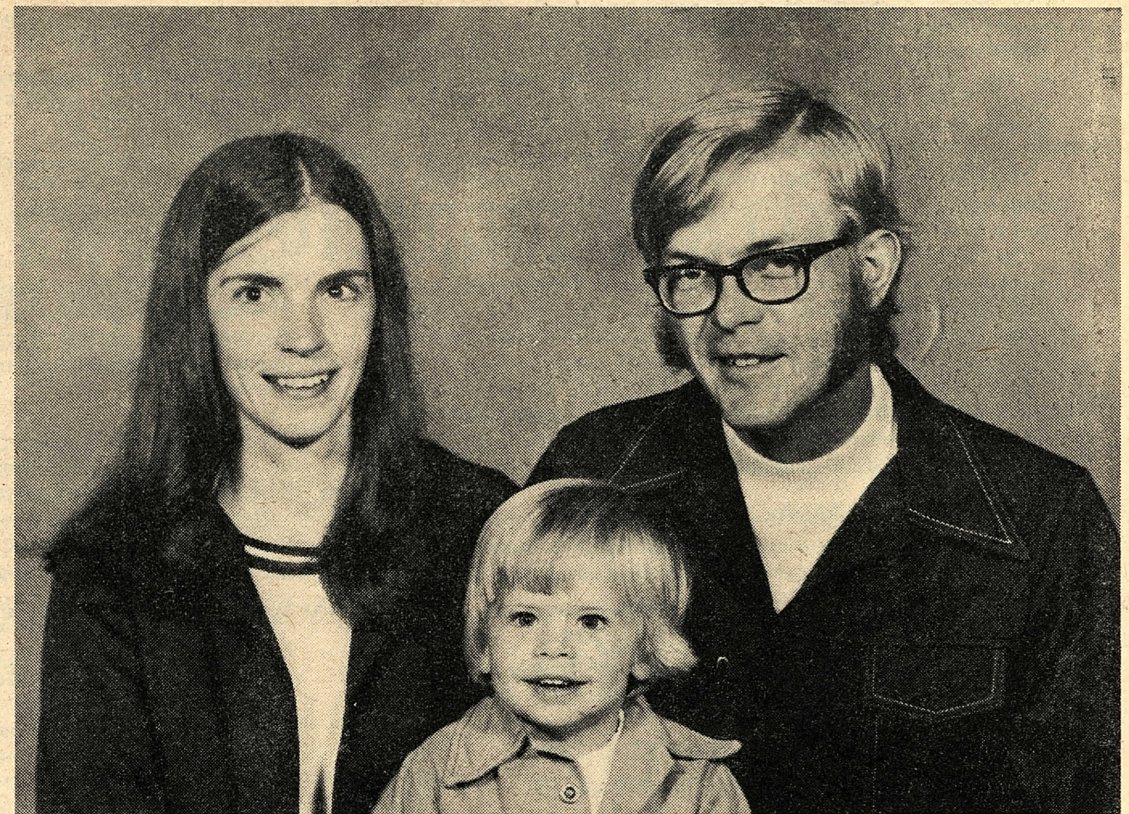
been meeting approximately 2 days each month to put together their recommendations. "Basically, what we've done is to go through all of the county reports, plus hear from various state agencies and others and try to incorporate these ideas into a set of recommendations for the State Legislature," Bowie said. "We have an interim report that will be submitted March 1 and the final report will be turned over to the General Assembly later on this year," Bowie added.

"There are 6 general headings that we've dealt with in our report," Bowie said. These are:

1. Preservation of agricultural land for food and fiber production.
2. Control of urban sprawl.
3. Designation and/or preservation of critical areas, key facilities, and large scale developments.
4. Protection of private property rights.
5. Promotion of the efficient use and development of energy compatible with good land use.
6. Effects of current laws as they're now on the books in regard to land use.

"The preservation of agricultural land for food and fiber production had the highest priority of importance from the county reports," Bowie said. "In dealing with this issue, we are recommending that every county be required to have some type of zoning and that they review their zoning laws every 3 years. However, the extent of the zoning would be up to the individual county," Bowie said.

"Another aspect of ag land preservation is soil erosion. We're recommending that



Jim and Maureen Bowie and their son, Scott

erosion should be reduced through a voluntary program; but, a major state goal would be to reduce erosion to presently established soil loss limits using some type of tax incentive or penalty," Bowie stated. He also added that Cedar county is way ahead in that we already have zoning, and have a modern soil

survey for use in identifying agricultural land.

"In regard to the control of urban sprawl, we've split our recommendations into county and state guidelines," Bowie said. "For county guidelines, we recommend a minimum number of acres for each dwelling. Also, each county should set priorities

for what areas are most productive and what areas are best suited for rural housing. We'd also like to see counties work with cities in planning development in their peripheral areas, and use their zoning to prevent conflicts between

Continued on page 5

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CEDAR COUNTY ASCS

County Committee Richard J. Pelzer, Chairman
Forest W. Johnson, Vice-Chairman
David Ferguson, Member
County Executive Director Donald M. Conrad

ASCS is proud of their working relationship with SCS in Cedar county. Both agencies are striving for the same goal of soil and water conservation.

Our agency gets annual Federal funding to cost-share on conservation measures. This, along with State funds available from the State Soil Conservation Service, makes available to farmers in Cedar county a good cost-share base to perform much needed conservation work on the land.

Two of the most popular practices in 1978 were farmstead windbreaks and tile inlet terrace systems, both of these being high priority conservation practices. There is also a whole list of other conservation practices which are available for soil and water erosion.

If you have a conservation problem with your land, we would suggest you stop at either SCS or the ASCS office to discuss your problem and find out recommended correction practices and available cost-sharing funds.

Expenditures of Funds Provided by the State of Iowa 1977-78 Fiscal Year

I-M Budget	
Commissioner's Expenses	\$ 815.21
Office Supplies	35.83
Prizes for Contest	92.92
Materials for Demonstrations	12.50
Office Expense	243.56
Total	\$1,200.02

II-M Budget	
Salary - Clerk	
regular and part-time	\$ 9,316.08
State Retirement (IPERS)	451.88
Federal Retirement (FICA)	553.59
Health Insurance	362.98
Life Insurance	66.00
Disability Insurance	55.92
Travel	47.49
Equipment	63.50
Total	\$10,917.44

III-M Budget	
Allocation July 1, 1977	\$39,000.00
Amount Dispersed	23,060.06
Amount Obligated	3,703.75
Released to Department 12-31-78	12,236.19
Allocation July 1, 1978	\$41,000.00
Obligated	10,190.25
Unobligated	\$30,809.75



We are pleased to support this effort of the Cedar County Soil Conservation District



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Accomplishment Summary for 1978

The following indicates the District's accomplishments reported for the 1978 Fiscal Year ending September 30, 1978.

Tile Outlet Terraces and	
Water Control Basins	23,920 Ft.
Minimum Tillage	4,104 Acres
Tile Drainage	54,480 Ft.
Pasture and Hayland Adequately Treated	323 Acres
Windbreaks and Tree Planting	69 Acres
Cropland Adequately Treated	1,549 Acres
Agricultural Waste Systems	3
Ponds	2

Resource Conservation Plans And Revisions for 1978

John Christian Miller, Nall Motor Company by Doane Agri. Service, Pam Farms by K.G. Garton, Pearson and Kenneth Mather, Clifford Crist, Steve Eiler, Robert Langley, Mike Kaufmann, Rennie Mowry, Anita Mercer by K.G. Garton, Alan Chamberlain, Larry Glick, William Schwitzer, Larry Ballenger, Cleo and Bob Pedersen.

Eugene Rohlf, James Barglof, Rodney Schneider, Douglas Cashman, Harold Ovesen, Clarence Crew, Floyd Gruwell and Clarence Crew, Orven Voss, Voss Farms, Inc., Gene Grimm, Alan Weets, Gary Suchomel, Mrs. Beverly Spencer, Lawrence Quinn, R.C. Shumaker, Harry Mauseth, Gary Ciha, Jerry Goldsmith, Ralph Phelps.

District Cooperators for 1978

Rennie Mowry, Nall Motor Co., by Doane Agricultural Service, Anita Mercer, by Doane Agricultural Service, Alan Chamberlain, Morris Walker, James Rohlf, Patricia Barglof, William Schwitzer, Rodney Schneider, Voss Farms Inc., Marvin Duncan, Mrs. Beverly Spencer, Larry Streets, Gene Grimm, Lawrence Quinn, Tom Reid, Travis Knight, Hertz Farm Management Profit Sharing, Loren Speckeen by Hertz Farm Management, Barry Anderson, Charles Hubler, John Powell.

Farmers Home Administration

Kenneth D. Dunn
County Supervisor
Leslie S. Cox
Assistant County Supervisor
Bonnie S. Stolte
County Office Assistant

sources of conventional financing.

A 3 person county committee reviews Loan Applications to determine loan eligibility. The Jones County FmHA committee members are David Flory, Oxford Junction, chairman, Loras Stoll, Cascade, and Dale Newman, Martelle.

Many changes have been made in the loans we make in the past year. Many of our loan limits have been raised double previous years' limits. Also, new

The Farmers Home Administration (FmHA) is the lending branch of the U.S. Department of Agriculture.

Loans are made to farm families and rural residents who are unable to get credit at normal

programs have added to expand our lending services.

Some of the loans FmHA makes are as follows:

Economic Emergency Loans: Loans are made to qualified farmers to refinance debts. If the applicant has equity in real estate, it is possible to receive a loan up to \$400,000 payable over 40 years at 8½% interest. If no real estate is owned, a loan of 7 years with a possible 7 year extension can be made, also at 8½% interest for refinancing debts.

Farm Operating Loans: Loans are made to qualified applicants to purchase machinery, livestock and operating expenses. These loans are at 8½% interest with a 7 year repayment with a possible 5 year extension. These loans can be made to rural people who have not farmed previously. Loan limits are \$100,000 insured and \$200,000 guaranteed.

Farm Ownership Loans: Loans are made to qualified applicants to purchase farm land. Interest rates are set at 8½% but can be as low as 3% for disadvantaged farmers, to be graduated up to the full interest rate over a period of years. The loan limits are \$200,000 on an insured loan and \$300,000 on a guaranteed loan.

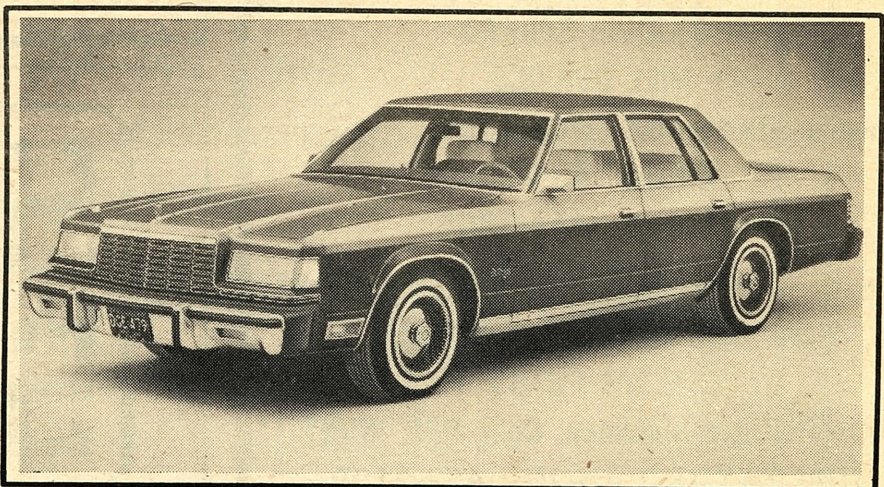
Soil and Water Loans: These loans are made to qualified applicants to finance soil and water conservation practices such as ponds, dams, erosion control structures, wells and other items consistent with good farming practices.

Rural Housing Loans: Loans are made to qualified farm and rural residents in areas of 20,000 or less population to build new houses or purchase and/or upgrade existing houses. The loans can also be used for grain storage, water systems, and livestock production facilities.

The Jones County office is presently located in the Post Office Basement in Anamosa. Office hours are Tuesdays from 1:00 - 2:00. The main office is located in Tipton in the USDA building. Office hours are each Monday from 9:00 - 12:00 and 1:00 - 3:00 p.m.

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Bowie

Continued from page 3.
feedlots and residential areas," Bowie said.

At the state level, the State Commission will be recommending, among other things, that tax incentives or penalties be used to encourage the development of undeveloped land within corporate city limits.

There are more recommendations dealing with all the general headings. However, the overall objectives are that specific changes in the use of land should be controlled at the county level as much as possible. "Any regulatory control would rest in existing bodies with no new agency created," Bowie added. "In order to implement these ideas, we are recommending the formation of non-regulatory county and state level commissions whose makeup is identical to the temporary ones," Bowie said. These commissions would serve as advisory and coordinating bodies at their respective levels in dealing with any existing or proposed land use laws. One of the main functions of the state commission would be mediation of any conflicts. "The main force of the matter is to get counties to face the issues of the growing land use problems. Our recommendations would have more effect on counties and cities which don't have land use or planning whatsoever," Bowie said. "Another thing to keep in mind is that these are only recommendations to the legislature. They will have to decide what action will be taken in the future."

Importance of trees on farms

by Ed Gardiner
District Forester

A healthy farm will have trees, trees for shade, windbreaks and fruit. A man demonstrates his good intentions towards a farm by his planting of trees and the care he takes of his wooded ground. The long term investment in trees ties a family to a farm.

From Wendell Berry's book "The Unsettling of America," a quotation, "The most revealing sign of ill health of industrial agriculture - its greed, its short term ambitions - is its inclination to see trees as obstructions and strip the land bare of them."

The conversion of timberland goes on and our rivers run brown with silt, and much of it comes from the exposed fragile timber

soil. The Soil Conservation Service estimates that for every bushel of corn produced, 2 bushels of topsoil goes into the streams. We have no law to protect timberland or marsh or any area that has ecological importance from being exploited for an individual's economic gain.

In the struggle for financial survival on the farm, it is easy to

let "Will it make any money?" be the criteria for all that is done. Regard for the land then becomes the same as if it were a factory, a building, a commodity with money making the sole reason for existence. Instead, why not ask if your actions make this a nicer place to live? Are you protecting the land? Will other creatures be permitted to survive?

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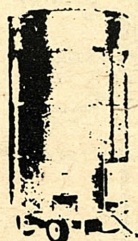
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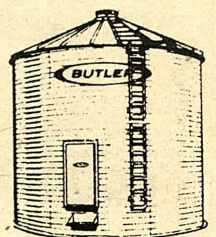


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Upgrade Drainage Systems For Higher Crop Production

Ames, Iowa — Upgrading drainage systems can increase crop yields, according to Stewart Melvin, extension agricultural engineer at Iowa State University. Drainage problems are especially obvious in wet areas where blank spots and poor yielding crops provide a dramatic picture of the effects of poor drainage on agricultural land, he said.

Surface as well as sub-surface drainage systems require maintenance and upgrading to reduce crop losses caused by lack of drainage. Melvin says subsurface drains should be inspected annually and damages corrected.

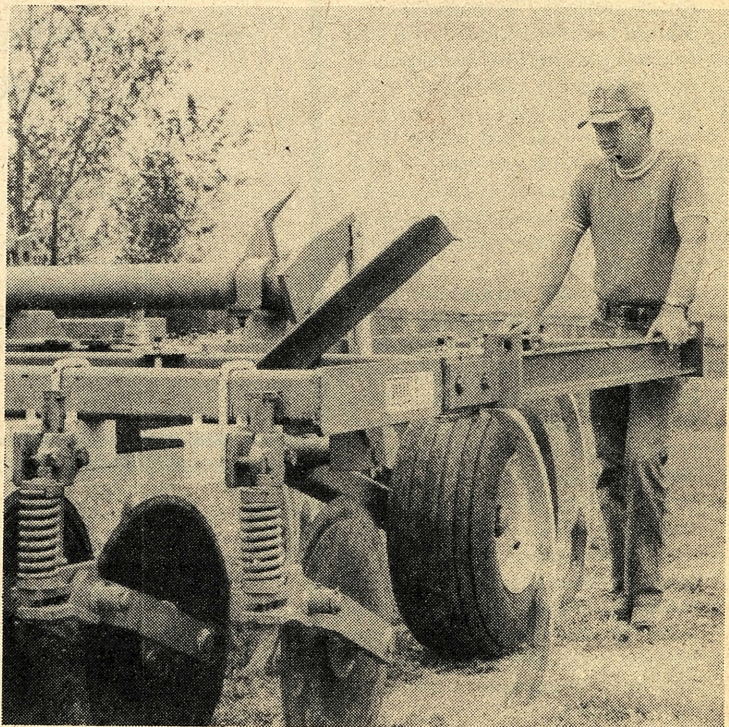
Ditches filled with silt from eroding land should be cleaned and in some cases lowered to provide good outlets, he said. Outlets should not have erosion where the ditch empties into a receiving stream. Earthen or concrete structures may be needed to stabilize the outlet.

Subsurface drainage problems often result from lack of capacity in the main outlet lines. Several large-scale drainage systems installed in the past have more land draining into them than was initially intended, Melvin said. This results in poorly drained land, especially in the lower part of the watershed where main outlet lines run full and are under pressure during wet periods. Ironically, land farthest from the outlet of an overloaded system is usually the best drained, Melvin added.

Upgrading large-scale drainage systems is costly, perhaps \$100 or more per acre of wet land in the watershed, Melvin said. And obtaining agreement from all landowners to cooperate in drainage projects is difficult. Landowners with adequate drainage in the upper part of the watershed are reluctant to share costs of upgrading a system that will not materially affect the drainage of their land. But it must be remembered that the original system provided the outlet.



The simple practice of farming on the contour will cut erosion losses in half. Try it — you might like it!



Chisel plows, or the modified type chisel shown here by Kenneth Mather are very popular in Cedar county. A couple of points need to be emphasized though: 1. Chisels work best when used on the contour. 2. Don't overwork the soil. Make sure you leave at least half of last year's residue on the soil surface after planting.

Where much of the land is absentee owned, especially by elderly, retired people, obtaining support for a long-term investment in a drainage system is also difficult.

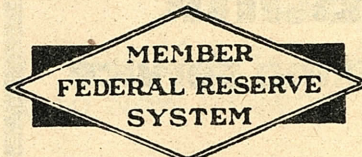
Many people in legal drainage districts are attempting to obtain

cooperation from their neighbors to upgrade drainage systems, regardless of the problems involved. But it will require time, individual effort and money to obtain satisfactory drainage for all landowners in a watershed, Melvin said.

*Remember, a healthy system
of Soil Conservation is of great
importance to a fertile land...
We appreciate the efforts of
the Cedar County Soil
Conservation Service!*

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"Lose 2 bushels of soil for each bushel corn sold"

by Kenneth D. Muller
County Extension Director

Being unable to demonstrate the amount of soil loss from sloping land has hindered soil conservation education.

It has been calculated that we lose two bushels of soil for each bushel of corn we sell. Such a level of loss of animals in a hog or beef enterprise would be considered a tragedy and financial ruin would be certain.

Many research projects and demonstration projects are being conducted, but most cannot be related to individual farms or fields. Probably the light colored areas, or "clay knobs" as referred to by farmers, that are becoming obvious to farmers and the public demonstrate the soil erosion problem best.

Topsoil has been lost in these areas. They become more difficult to farm. Yields are lower on these areas even with increased fertilizer. Approximately 7-9 percent of our cropland is now in this severely eroded condition. Forty percent of the sloping land is expected to look like the hilltops we now see if soil loss continues at the present pace by the year 2020.

The general public also needs

to be aware and informed on soil conservation. Farmers should not pay all the cost of conservation, because farmers would be hard pressed to finance the total conservation job and because there are many benefits to the general public.

The increased use of mulch tillage in Cedar county has been encouraging. Concerned farmers have even started holding neighborhood meetings with other neighbors to discuss the alternatives to save soil. Education and voluntary incentives to save soil are preferred over mandated action. "Seeing" the problem of soil loss over time is still hindering progress to prevent it now by both the farmer and the general public.

State funds available for cost share

The State of Iowa has taken an active interest in protecting its most valuable natural resources - the soil. Since 1974, the Iowa Legislature has appropriated cost share funds, administered

through Soil Conservation Districts, to help pay the cost of permanent soil conservation practices.

Cedar county received \$41,000 in 1978 to be used to aid local farmers to install permanent practices to control erosion. These funds are available at the 50% cost share rate. To qualify for cost share assistance, a landowner must sign an application at the Soil Conservation District Office. This application would then be presented to the District Commissioners for their approval. Any practice approved must be designed and built according to Soil Conservation Service specification.

If you have any questions about the state cost share program, please stop at the Soil Conservation District Office in Tipton.

Annual Report For Cedar County

A winter like this past one leaves little doubt of the changing land use in Cedar county. The lack of winter cover and available food supplies in some areas resulted in the starvation of pheasants, rabbits and quail. Raccoons, red fox, coyotes, squirrels and wild turkeys were severely stressed due to the lack of food. Deer began to utilize red cedar limbs for nourishment. Those animals that did survive

will have difficulty locating secure nesting habitat since fewer acres of oats, hay and pastureland remain.

The severity of the winter has postponed our wild turkey stocking attempt on the Cedar river. Maybe this can be completed in 1980.

If you have or know of isolated

land that could be productive for wildlife, I would be pleased to assist you on the proper plants that would provide a survival area for wildlife. Contact me through the Soil Conservation Service: Donald Pfeiffer, Wildlife Biologist, Iowa Conservation Commission, 517 Southgate Ave., Iowa City, Iowa, 52240.

CONGRATULATIONS, MR. FARMER

for trying to save our soil

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feels the same way and we have
SPECIALS on soil saving equipment while the present stock lasts.

Special This Week New Landoll Soilmaster in stock

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retail \$5493..... **NOW \$4925**
- 2 - 13'9" Rigid (150 hp)
retail \$5645..... **NOW \$4975**
- 1 - New JD 12' Rigid..... **\$1550**
- 1 - Used Bush Hog 12' Cushion..... **\$1150**
- 1 - Used 3 pt. M/M 14' Cushion..... **\$1000**

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(serving meat and fish)

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1086 D Cab & Air.....	old price
4586 D.....	old price
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720 IH 4-18.....	4918.00
490 20'-6" Disc.....	8236.00
490 24'-10" Disc.....	9011.00
770 13' Deep Tillage Offset.....	8793.00
55 IHC 10' Chisel Plow.....	2456.00
300 4 row Rotary Disc.....	2067.00

45 IH vs 22½' Field Cultivator.....	5996.00
241 Big Roll Baler.....	7843.00
56 Blower.....	1954.00
720 IHC Chopper w/2 row Corn head/ Hay hd.....	11,661.00
30 IHC Bale Mower.....	2574.00
Lilliston 4 row Cultivator.....	3184.00
#2 IH Lawn Sweeper.....	275.00
Blair 4x10 Feeder Wagon.....	2350.00
BushHog 17'-8" Hyd Fold Disc.....	8417.00
BushHog Flail Shredder 540 RPM.....	3912.00
BushHog 4 row Cultivator.....	1626.00

BushHog 3 pt 2 row Shredder.....	1335.00
BushHog 11' Soil Hog Chisel.....	5852.00
Fox 2310 Chopper w/electric knife grinder & 2 row CH.....	10,429.00
400 Cyclo 4 row Planter Insect & Monitor.....	5154.00
Duplex Hitch to Pull 2 6 row 30" Planters.....	3000.00
620 Press Grain Drill.....	6184.00
510 Soybean Drill.....	5922.00
14' Cultivator.....	2500.00
18' Cultivator.....	3000.00

USED EQUIPMENT

1468D w/Cab & Radio.....	\$16,500.00
966D Cab.....	13,500.00
766D w/Canopy.....	13,800.00
706G.....	5100.00
504G w/StanHoist loader.....	3650.00
3200A Skid Steer.....	5550.00
M&W Turbo 806-850.....	918.00
M&W Turbo 826-856.....	918.00
M&W Turbo 986.....	880.00
18.4 x 34.....	950.00
18.4 x 38.....	750.00
18.4 x 34.....	650.00

PLANTERS

400 Cyclo 4 row wide or 6 row Harrow-Insect-Liquid Herb.....	\$3850.00
400 Cyclo 1975-Monitor-Insect-Midwest Minimum Tillage.....	3950.00
400 Cyclo 4 row.....	2500.00

400 Cyclo-Insect-Midwest Minimum Tillage.....	3750.00
58 8 Row 30".....	1500.00
56 4 Row.....	850.00
56 4 Row I&H DF Midwest Minimum Tillage.....	975.00
495A 4 Row I&H.....	950.00
495 DF I&H 4 Row.....	950.00
490 4 Row.....	95.00

PLOWS

IHC 540 4-16.....	\$995.00
IHC 700 5-16.....	2500.00
IHC 710 5-16.....	2950.00
Case 2000 5-16.....	1895.00
MF #52 21' Folding.....	2500.00
IHC 770 13' Deep Tillage Offset.....	3995.00
Kewanee 18' Wing Disc.....	1625.00

CULTIVATORS

JD RG 40 3 pt 4 row.....	\$1250.00
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JD AT 40 6 row 30" Front Mount.....	1895.00
Lilliston 4 Row w/Shields.....	1250.00
Lilliston 4 Row.....	1150.00
3 IHC 468 4 Row Front Mounts.....	875.00

MISCELLANEOUS

315 13' Cultimulcher Shaver Post Driver.....	\$495.00
160 HC PTO Spreader.....	695.00
JD N PTO Spreader.....	595.00
Wildcat StanHoist 4 Row Shredder.....	950.00
Blair 4 x 10 Feed-R-Wagon.....	950.00
850 Grinder Mixer.....	1150.00
1150 Grinder Mixer.....	2950.00
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Schultz Stalk Shredder for IHC Baler.....	295.00
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