

1967

Twenty-fifth
ANNUAL REPORT

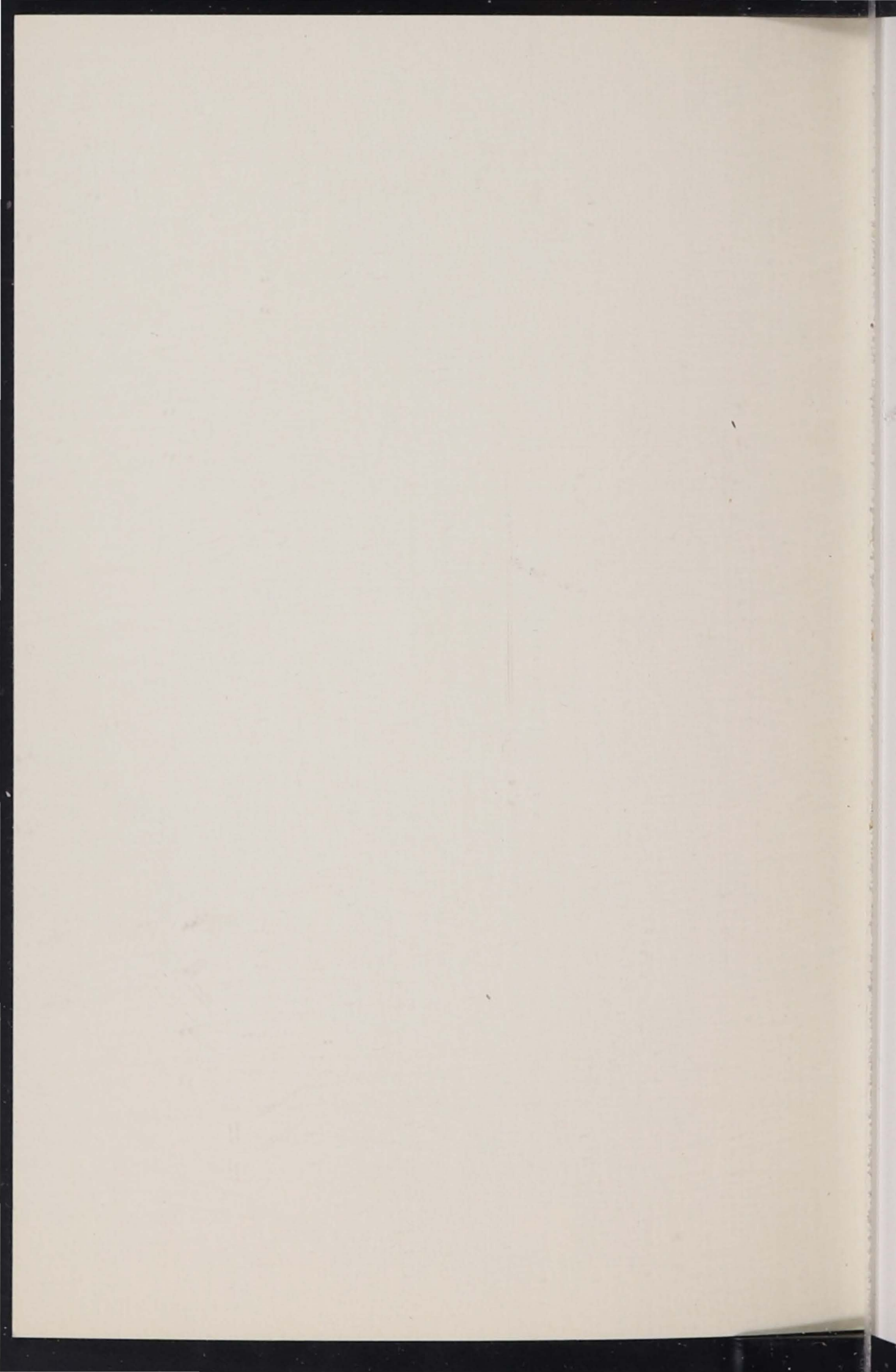
TAMA COUNTY SOIL
CONSERVATION DISTRICT

TOLEDO, IOWA

PHONE 484-2702



Stripcropping on Eldon Joens farm, 4½ miles west of Traer.



25 Years

On January 21, 1942 the Tama County Soil Conservation District was chartered. The first commissioners were Robert Lyon, Fred H. Bruene and E. P. Skrable. Since 1942 a lot of changes have come about in Tama County's agriculture. Conservation practices have continued to progress throughout the years but have changed with the coming of larger and faster machinery. In 1942 all operations were geared to the two row equipment, much of it horse drawn. The 40" row was standard because this fit the horse drawn cultivator the best. Now with minimum tillage, insecticides, herbicides and larger equipment the row width has narrowed and the equipment has widened. The terraces that were constructed in the 40's and 50's will not fit the 8 row 30" planter and thus these terraces have to be built to fit this bigger operation.

With more and more row crop planted each year the need for mechanical soil conservation practices to control erosion becomes increasingly important. The new broad base parallel terraces are the most effective way to control erosion on row cropland and keep it productive.

The future of Tama county's production of crops is at stake when the constant erosion problem continues unchecked. We of the Tama County Soil Conservation District are dedicated to do the utmost to keep Tama county soils forever productive through proper land use.

INDEX TO ADVERTISERS

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Tama County Soil Conservation District Commissioners are, standing left to right, Harry Scurr, Gilman; Lester Lenhart, Tama. Seated left to right, Melvin Kupka, Dysart, and Harold Higgins, Traer. Not pictured--Robert Wiese, Gladbrook.

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Soil Conservation District personnel are:

*Standing left to right Robert Malin, John McCleary
Seated Audrey Wheeler, Burdett Bennett*

John McCleary and Burdett Bennett are employed by the U.S.D.A. Soil Conservation Service. Audrey Wheeler and Robert Malin are employed by the State Soil Conservation Committee.

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ACCOMPLISHMENTS FISCAL YEAR 1967

July 1, 1967 June 30, 1967

	UNIT	AMOUNT
New Cooperators	No.	53
Basic Plans	No.	42
Revised Plans	No.	17
Farms Serviced	No.	434
Sod Waterways Established	Ac.	106
Farm Ponds	No.	10
Grade Stabilization Structures	No.	17
Contour Farming	Ac.	2,653
Stripcropping	Ac.	888
Terraces	Lin. ft.	8,050
Tile Drainage	Lin. ft.	269,897
Open Drainage	Lin. ft.	22,044

State Budget of the Tama Co. Soil Conservation District

IM BUDGET MILEGE & EXPENSE

Commissioners	\$ 51.81
Office Supplies & Expense	427.92
Prizes for Contest	2.35
Materials for Exhibits	17.92

IIM BUDGET

State Clerk & Part Time Conservation Aid \$4926.38

CHECK-R-BOARD

P. O. BOX 235

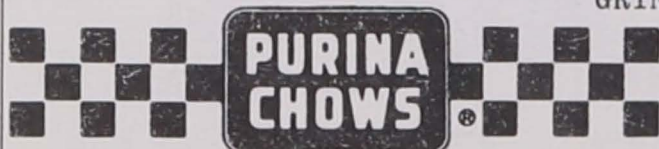
TOLEDO, IOWA 52342

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DISTRICT COMMISSIONERS ACTION FOR 1967

JANUARY -

Letters sent and contacts were made with the schools in Tama county concerning the soil conservation speech contest. Annual report prepared. Harold Higgins & Harry Scurr attended State Soil Conservation District Commissioners short course in Ames.

FEBRUARY -

A system of contacting cooperators was set up for the District so that every cooperator can be contacted at least every four years.

MARCH -

SCS personnel and District Commissioners held an information meeting for Soil Conservation contractors.

APRIL -

Provided soil stewardship material for 40 churches in Tama County for observance of Soil Stewardship Sunday.

MAY -

District provided \$25.00 scholarship to Evelyn Kosnar, teacher in the North Tama County Community School District, to attend Conservation Camp at Springbrook state park.

JUNE -

Stanley Klein, Work Unit Conservationist, transferred to Clinton County after 6½ years with Soil Conservation Service in Tama County. June 18th through the 25th was Iowa Soil & Water Conservation week and the District observed the week by providing pictures and articles for a special issue of the Toledo Chronicle.

JULY -

Register and Tribune contest farms were judged and three conservation farmers were entered in the regional contest. The District winners were William Shuler, Gilman - owner operator Division; Floyd Lacina, Grinnell, Richard Shaw, Toledo, owner-operator division & Dean Mauderer, Traer in new cooperator division. John McCleary transferred from Benton County to fill the position vacated by Stanley L. Klein. Harold Higgins was re-elected as Regional Director for the State Association of Soil Conservation District Commissioners.

AUGUST & SEPTEMBER -

The District Commissioners attended the Annual conference of Soil Conservation District Commissioners held in Des Moines. The Tama SDC received a commendation certificate for completion of 25 years of effective operation in Tama County. The District had a soil conservation exhibit at the 4-H Achievement Show held in Gladbrook.

OCTOBER -

The District provided tuition for Mrs. Karen Ozias, junior high teacher at Dysart-Geneseo school and Mr. Wesley McConnell, high school teacher at Toledo school, to attend the 1967 teachers conservation workshop held at the 4-H camp near Luther, Iowa.

NOVEMBER & DECEMBER -

Mr. Joe Lyon was elected as new six-year member at election held on Dec. 5, 1967. He replaced M.M. Kupka on the commissioners board.

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345-6420

HAROLD CARR

PHONE 476-7583

DYSART, IOWA

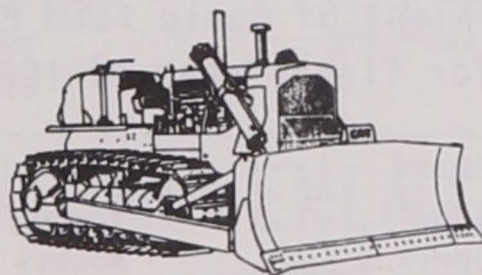


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BASIC FARM PLANS
FOR FISCAL YEAR OF 1967

Harold Hill	Dale Wiese
E.W. Reuppel	William Ledvina
Don Crawford	Fred Koester
LaVerne Novotny	Gene Sebesta
Vernon Olsen	Dr. Gordon Kruger
Howard Antle	Victor Devick
Harold Fontinel	Dysart Recreation
LeRoy Thomsen	Dale Mason
Howard Bro	L.G. Osborn
Robert Hempy	Elmer Koester
Elmer Benson	Gerald Howard
Robert Hempy	Norman Hoskey
Arlo Hinegardner	Rickann #2
Walter Curphy	Paul Manfull
Russell Billings	Fred Dostal
Donald Davis	Romayne Pansegrau
Ray Rudebeck	Eugene Moffitt
Frank Fontinel	Edwin Baldwin
Franklin Bro	Eugene Moffitt
Higgins Oakcrest Farms	Martin Bruene
Edward Richardson	Lonnie Boerm

Revisions of Basic Farm Plans
for fiscal year of 1967

Lloyd Prichard	Ennis Farms
Robert Mitchell	Vernon Seebach
Melvin Pippert & Son	Robert Wiese
E.M. Laird	Roger Sawyer
Donald Dunham	Eldon Joens
George Owens	Max Milo Mills
Albert Rehder	Eldon Joens
Gerald Ewing	J.J. Locher
Wesley Messer	

NEW COOPERATORS
FOR THE FISCAL YEAR OF 1967

Ray E. Rudebeck
Arlo Hinegardner
Mussig Farms
Wm. Ledvina
Norman Hoskey
Norman Behrns
Gordon J. Kruger
Lester Musel
Jerry Abbe
Clifford Feisel
Vernon Olsen
Rickann Inc.
John Osborn
L.G. Osborn
Wm. Posusta
Russell Billings
Russell Backen
Delmar Thede
Robert Doyle
Eugene Moffitt
Emil Seidel
Donald Crawford
Martin C. Bruene
Henry Lorenzen
Harold D. Carlson
Melvin Hoskey
Lowell Peters

Anton Kupka
Kenneth Benda
John VanDeWalle
Paul Kaufman
Marion Berger
Robert Hempy
Elmer Benson
James Snow
Wesley H. Messer
Frances E. Taylor
Charles A. Weir
Harvey Huhn
Harris E. Henry
Lyle H. Moeller
Robert Harder
Robert W. Mahr
Earl Granger
Roger Rodemaker
Higgins Oakcrest Farms
Russell Brubaker
L.E. Carpenter
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Terraces in "Construction Stage" on Robert Wiese farm in Spring Creek twp.



COMPLETED TERRACES ON ROBERT WIESE FARM.

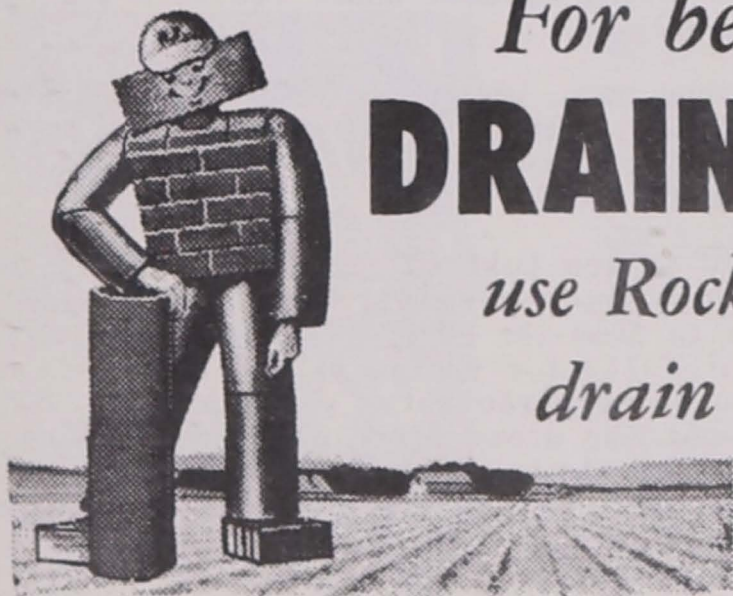
Terraces are the most effective way of controlling erosion on cropland. Mr. Wiese installed 8900' of parallel terraces on this farm in the fall of 1967.

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SUGGESTIONS ON —

CORN ROOTWORM CONTROL

by Gress Rogers, County Extension Director

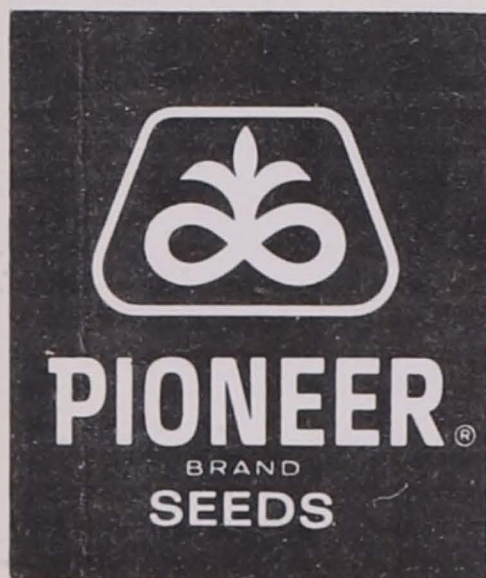
Our advice to the corn farmer for 1968: seriously investigate the possibilities of rotation. We know that corn rootworms do not cause economic damage to crops other than corn. When you add up the costs of insecticide and the chances of failure with any of them, you may be able to realize as much net income with less worry from soybeans, oats or grain sorghum. Research reported from the USDA Northern Grain Insects Laboratory at Brookings, S.D., indicates that northern and western corn rootworms can develop in small numbers on the roots of yellow and green foxtail. Do not feel that these are important sources of rootworm beetles though.

So, what if you can't grow soybeans or oats because of use of Atrazine as a rescue operation in 1967 or other reasons, consider these suggestions:

1. Spend some time studying the 1966 Corn Yield Test bulletin. List the varieties adapted to your area which showed the least root lodging. Then visit with your neighbors, your County Extension Director, Vocational Agriculture instructor and others to find out which of these appear to stand up best under rootworm infestation. Plant these.
2. On corn following corn, apply preferably 1 lb. actual Bux 10 or phorate (thimet) or Diazinon per 13,080 linear feet of corn row in a 7 inch band lightly incorporated in the soil.
3. Before the corn is too tall to go through with a cultivator, dig corn roots from all your corn fields at least 25 steps in from the edge of the fields. Examine these roots carefully for rootworms and root feeding. If you find 10 or more rootworms per plant or if 50% of the roots show the brown discolorations from rootworm feeding, regardless of planter treatment, apply Diazinon, phorate (thimet) or parathion granules (1 lb. actual per acre). Apply the chemical over the row to kill corn borers. Use hillers or sweeps to cover the insecticide which falls through to the ground. At this writing date Bux 10 doesn't have cultivator application approval.
4. When tassels emerge, check the fields daily for rootworm beetles. If you aren't sure you can recognize the beetles, check with your County Extension Director, Vocational Agriculture instructor or ag-chemical supplier.

If silk feeding is obvious, with 15 to 20 beetles feeding in the tip of each ear, don't hesitate. Treat at once by airplane or high clearance sprayer. Carbaryl (Sevin) as a spray at 1 lb. actual/A. kills rootworm beetles for 8 to 10 days after application. Malathion applied by ground rig at 1 lb./A. and Diazinon by air or ground at 1/2 lb./A. will kill beetles for 3 days after application. Low volume malathion (4 oz./A.) by airplane will kill beetles for 4 or 5 days.

5. On sod or soybean ground use aldrin or Heptachlor at 2 lbs. per acre broadcast and disc in at once. 1 lb. of either as a band treatment at planting time is also recommended.
6. Rootworm chemicals do not give satisfactory control of cutworm.
7. Landrin has an experimental label for use at 3/4 to 1 lb. actual per acre at planting time for rootworm only.
8. Dyfonate has an unrestricted label for use at 3/4 to 1 lb. actual per acre at planting time for corn rootworm, seed corn maggot and seed corn beetle.



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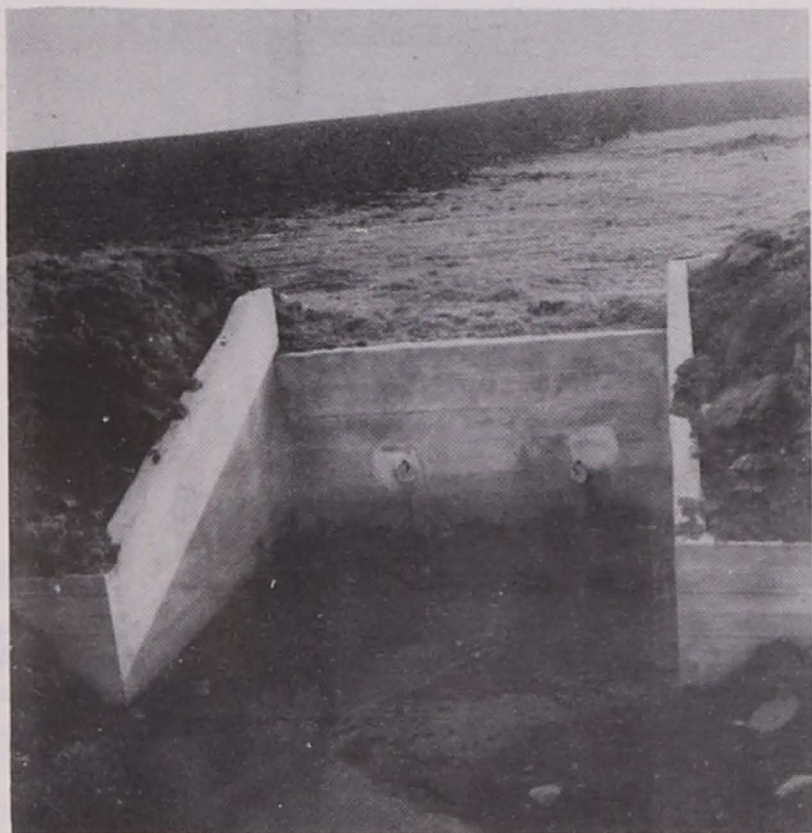


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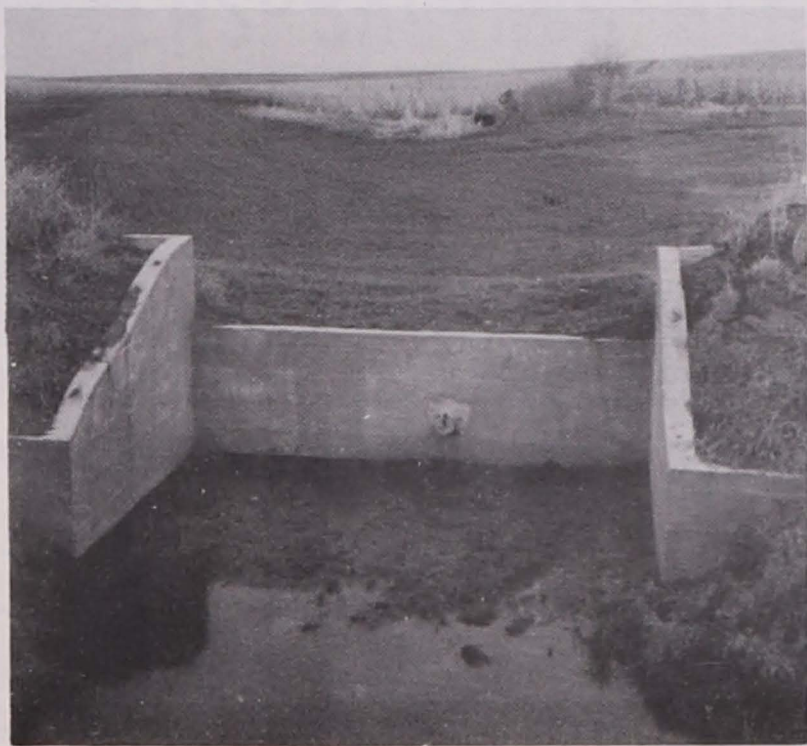
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Reinforced concrete structure installed on the Harold Vorba farm in Crystal twp. This structure keeps existing waterway stable and provides outlets for tile lines.



Concrete structure on Otto Hansen farm in Crystal twp. Structure controls overfall in newly constructed waterway and new tile system.



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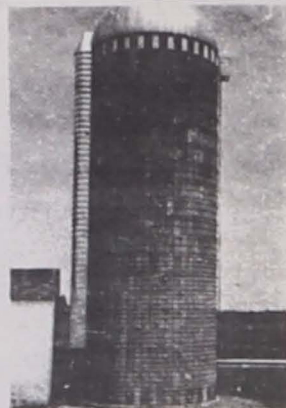
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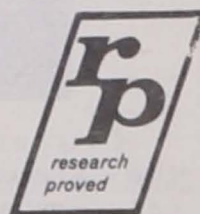
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Wendell McCollister, Toledo
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AGRICULTURAL CONSERVATION PROGRAM

Russell Lyon, Office Manager, ASCS

Through the Agricultural Conservation Program, the Federal Government will share with farmers in Tama county the cost of carrying out approved soil building and soil and water conservation practices, including related wildlife and beautification conservation practices. Tama county farmers earned \$110,000 to help pay the cost of soil and water conservation on their farms in 1967.

Practices used most frequently and cost-shares earned in Tama county during 1967 are:

Seeding Diverted Acres	\$33,345
Sod Waterways	27,484
Tile	12,057
Erosion Control Dams	8,814
Limestone	8,098
Wells	6,423
Stripcropping	3,924
Contour	3,128
Establishing and Renovating Permanent Pastures	2,766

All farmers are eligible to apply at the ASCS Office for cost-shares to carry out an approved practice. The request for cost-shares must be made before the work is started. Several practices, such as waterway, tile and terraces must be inspected and approved by the Soil Conservation Service before the work is started. SCS will also furnish technical advice on these practices.

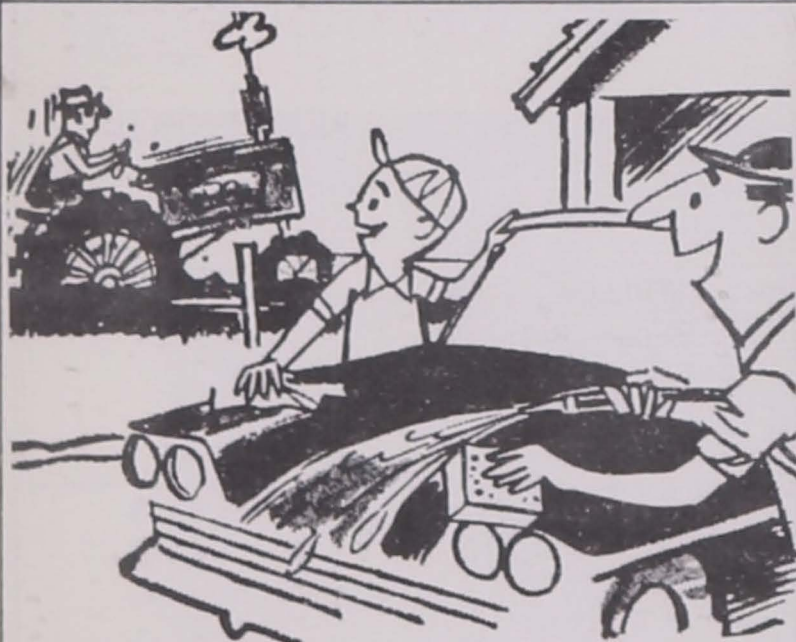
The ASCS office is an entirely separate agency from the SCS office in that it is governed by the County Committee who considers for approval for cost-sharing those practices for which a request has been made. The SCS office will approve the eligibility and the extent of a practice but the ASCS office approves the amount in dollars and cents they will help with the practice according to the report given them by the SCS technicians.

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This photo shows an uncrossable ditch that is constantly cutting into the adjacent field. By reshaping and tiling this ditch it could be made into a grassed waterway --



This photo shows a sod waterway shaped and seeded in the fall of 1967. The good stand of grass will hold this waterway for many years.

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FARMERS HOME ADMINISTRATION

by Edwin Higby, County Supervisor F.H.A.

The Farmers Home Administration established a new office located in the city of Toledo, Iowa June 1, 1967. This was accomplished to better serve Tama and Marshall Counties. Edwin A. Higby, Assistant County Supervisor, formerly of Independence, Iowa was appointed County Supervisor and Mrs. Karlene Foremen, Toledo, Iowa was appointed office clerk. All inquiries regarding loan programs in these two counties are handled through the office in Toledo, Iowa.

The Farmers Home Administration has approximately seventeen different kinds of loans to assist rural residents and farm people that live in towns of 5500 population or less and in open country.

Some of these loans are: Farm Ownership Loans, Operating Loans, Emergency Loans, Rural Housing Loans, Economic Opportunity Loans, Soil and Water Loans, Recreation Loans, Sewer and Water Loans and others that are useful in assisting rural people.

Office days for these counties are every Monday, 8-12 for Tama County, held at 128½ East High, Toledo, Iowa and every Tuesday 10-12 for Marshall County held at the ASC Office in Marshalltown, Iowa.

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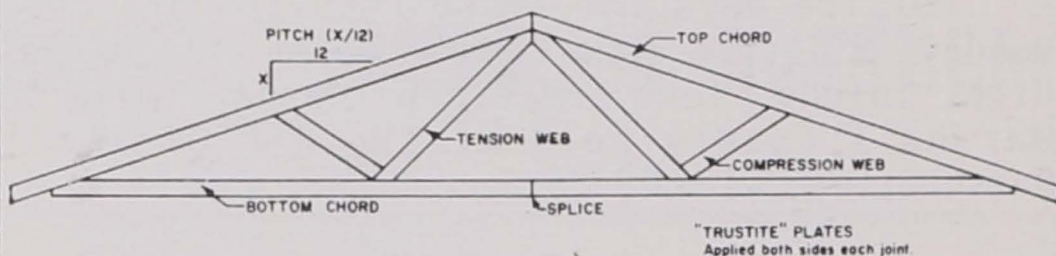
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Ronald Emerson, C.U.
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THIS!!!!!!



These photographs were taken on Tama county farms. The above picture shows rows planted up and down hill, creating natural troughs for the water to cut the soil loose and cause terrific erosion to occur on this field. Yield will be substantially cut on this field.

OR THIS!!!!!!!!!!!!



This photo shows rows planted on the contour providing protection from erosion. The alternate strips of sod also slow down runoff to a "walk" so that almost complete erosion protection is obtained on this field. Which do you want on your farm?

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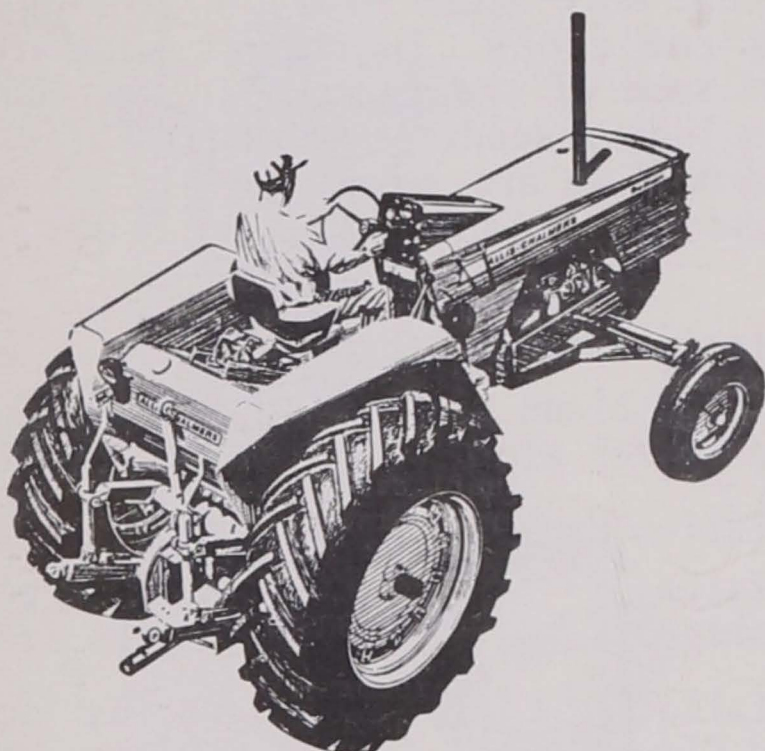
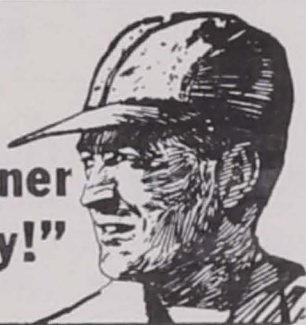
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HAY AND PASTURE

The general trend of farming today is for high acreage of rowcrop on Tama County farms. The idea of a rotation including hay or pasture seemed to be in the past. Now, the problems of insect control, weed control and erosion control have become more acute with the growing of continuous row crops. To combat some of these problems some of the farmers in the county are again including seedings in their rotation. For these farmers we are submitting this information to be used in establishing seedings on their farm:

Rotation Seeding for Hay

Alfalfa alone	7-12 lbs /acre
Red Clover alone	6-10 lbs /acre

Rotation Hay and Pasture Seeding

Alfalfa	6-8 lbs /acre
Bromegrass	6-8 lbs /acre

Alfalfa	4-6 lbs /acre
Red Clover	1-3 lbs /acre
Bromegrass	6-8 lbs /acre
or	
Orchard grass	2-4 lbs /acre

Pasture Renovation is another practice that is being used by Tama County farmers to improve their old bluegrass pasture. Seeding recommendations for renovating these pastures are as follows:

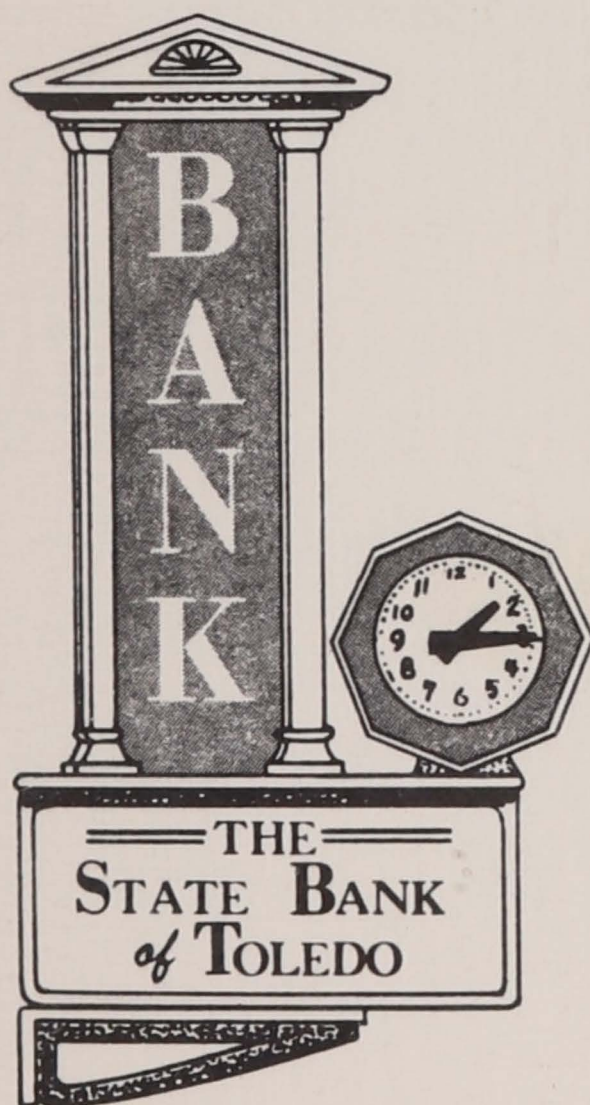
Alfalfa	6-9 lbs /acre
Bromegrass	5 lbs /acre
Orchard grass	3 lbs /acre

Birdsfoot trefoil (Empire Variety)	5-6 lbs /acre
Orchard grass	1-2 lbs /acre

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TOLEDO, IOWA 52342

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