SOILS AND FERTILIZERS

A. Maintained complete soil testing laboratory
   1. One full time soil tester
   2. Two part time helpers in laboratory
   3. Tests were made for acidity, phosphorous, potash, and nitrogen (on special request).
      a. Total samples tested - 1760
      b. Number farms samples taken from - 147
      c. Results of soil tests:
         Samples acid 465 - 26%
         Samples deficient in phosphorous 1016 - 58%
         Samples deficient in potash 815 - 46%

B. Established complete farm soil analysis service.
   1. This is one of the finest services ever offered to Winnabago County farmers.
      a. Cost - $1.00 (expenses of soil tester, which goes to the tester)
      b. Diagram is made of the farm, drawn to scale, and shows size of each field.
      c. Trained soil tester goes to farm and systematically takes samples from each field on the farm.
      d. Samples brought to laboratory and tested.
      e. A complete soil analysis is returned to the farmer showing:
         (1) Acidity test of each field
         (2) Phosphorous test of each field
         (3) Potash test on each field
         (4) Recommendation for lime and fertilizer for each field.

C. Lime
   1. Lime project was continued and farmers in the county applied 5,834 tons.

D. Educational meetings on soils and fertilizers
   1. In January, four meetings were held in the county on soils and fertilizers.
      a. Algoma Town Hall
      b. Greenville Grange Hall
      c. Rushford Town Hall
      d. Winnoconna Village Hall
E. Demonstration
1. As a follow-up to the winter soils and fertilizer meetings.
   a. Old Permanent pastures were renovated
   (1) Ripped up with spring tooth or plowed
   (2) Limed
   (3) Fertilized
   (4) Rerooded with - Alfalfa
      Red Clover
      Alsike
      Timothy
      Brome Grass

2. Four farms - Nepoukun
   Black Wolf
   Oshkosh
   Vinland

3. Results to be obtained - demonstrate how old worn out
   pastures may be given new life. To check the use and
   value of brome grass in Winnebago County.

F. Five farms checked value of various fertilizers on small
   grains against no fertilizer. Fertilizers used: 0-20-20
   and 0-20-10.
   1. Farms in town of --
      Oshkosh   2
      Rushford  2
      Winneconne 1

LANDSCAPING

A. Educational meetings
1. Landscape school was held through the winter months with
a total of four meetings.
   a. The complete field of landscaping the farmstead taken
      up in a series of meetings.
   b. Specialists - L. G. Holmes

B. A county-wide demonstration was held to actually show how farm
   grounds should be plotted out for landscaping. Various shrubs
   should be used in landscaping the place.

C. Individual Help
   1. L. G. Holmes, Landscape Specialist, made individual visits
      to each of the people who attended the winter landscaping
      schools to give them help in their landscaping plans.