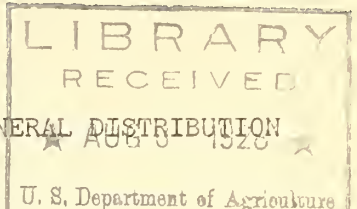


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BARBERRY ERADICATION LITERATURE AVAILABLE FOR GENERAL DISTRIBUTION

This material may be secured from the Office of Cereal Crops and Diseases, Bureau of Plant Industry, U. S. Department of Agriculture, Washington, D. C., free on request.

Bulletins and Circulars

U. S. D. A. Farmers' Bulletin No. 1544 - "The Common Barberry and Black Stem Rust" - by E. C. Stakman, F. E. Kempton, and Lynn D. Hutton. 28 pages, 14 figs., November, 1927.

This bulletin, written in popular style, deals briefly with the history of the common barberry and its relation to stem rust. It deals at considerable length with the life cycle of black stem rust in the northern wheat-growing States. A brief summary of the barberry eradication campaign to December 31, 1926, is given. An important phase of the bulletin is a table and discussion showing the losses of wheat in the six-year period 1915 to 1920, and the comparable loss for the six-year period 1921 to 1926, and the effect of the barberry eradication campaign in reducing rust losses.

U. S. D. A. Miscellaneous Publication No. 7 - "Bread or Barberries" - by Edith M. Patch. 14 pages, 8 figs., January, 1928.

This publication was prepared especially for the use of school children, boys' and girls' clubs, and other childrens' organizations. Written in a style interesting and understandable to a child 10 years of age. It tells fully the life story of a rust, describes the common barberry, and shows the need of destroying all common barberries growing in the upper Mississippi Valley States to save our wheat crop.

U. S. D. A. Circular No. 356 - "The Common Barberry and How to Kill It" - by F. E. Kempton and Noel F. Thompson. 4 pages, 3 figs., July, 1925

A short discussion of rust losses in the United States and the relation of black stem rust to the common barberry. A description of the harmful common barberry and the harmless Japanese barberry. Explains in detail methods of killing common barberries by chemicals.

U. S. D. A. Circular No. 332 - "Chemical Eradication of the Common Barberry" - by Noel F. Thompson. 4 pages. December, 1924.

A limited discussion of the destruction of the common barberry by salt and kerosene. Explains difficulties of thorough eradication by digging or pulling, and explains proper methods of applying chemicals and the proper amounts to use.

"How Teachers May Use Publications on the Control of Black Stem Rust of Small Grains by the Eradication of the Common Barberry" - by Noel F. Thompson and Donald G. Fletcher. 7 pages, multigraphed.

A guide prepared to aid teachers in presenting in a limited amount of time the story of the relation of black stem rust to the common barberry. The lesson plan has questions on the relation of the common barberry to black stem rust, losses caused by black stem rust, identification of the common barberry, introduction and distribution of the common barberry in the United States, eradication of the common barberry, and other methods of black stem rust control.

There is included a set of practical exercises by which the student may become interested in black stem rust, also a short laboratory exercise with rust specimens. The information contained in the bulletins which accompany the lesson plan has been correlated with exercises in language, arithmetic, geography, and spelling.

"Laboratory Outline for the Study of Black Stem Rust" - by W. W. Robins and Donald G. Fletcher. 4 pages, 2 figs., February, 1928.

A printed laboratory exercise for more mature students to aid them in studying the several stages of black stem rust on the common barberry and on small grains. This laboratory exercise was prepared for use especially in high schools and freshman classes in college.

### Colored Material

Plate I - "The Life Cycle of Black Stem Rust." A three-color-process plate 11 x 17 inches in size, showing the spring, summer, and winter stages of black stem rust on its alternate hosts, the common barberry and small grains. Printed through the courtesy of the Conference for the Prevention of Grain Rust.

Plate II - "Know the Common Barberry." A three-color-process plate 11 x 17 inches in size, showing the habits of growth and the characteristic features of the leaves, spines, and berries of both the harmful common barberry and the harmless Japanese barberry. Printed through the courtesy of the Conference for the Prevention of Grain Rust.

"What Black Stem Rust Does to Our Small Grains". A two-color poster on which is printed a table showing the grain destroyed by stem rust in the 13 north-central States during the period from 1915 to 1927, inclusive. Also a brief statement describing the harmful common barberry and showing the distinguishing characters between it and the harmless Japanese barberry. Printed through the courtesy of the Conference for the Prevention of Grain Rust.

Plate III - "Stages in the Development of Black Stem Rust." A four-color-process plate, bulletin size, showing drawings of the plant hosts of stem rust and of the stem-rust fungus during the various seasons of the year. Printed through the courtesy of the Conference for the Prevention of Grain Rust.

Plate IV - "Twig from a Common Barberry Bush." A four-color-process plate, bulletin size, showing a typical twig of the common barberry. Printed through the courtesy of the Conference for the Prevention of Grain Rust.