

had resulted in uniformity of methods of treatment.

Mr. Morgan stated that bluestone was commonly used in Alabama and Mississippi and farmers treat every other year. Results of treatment in South Carolina showed control of oat smuts.

Dr. Johnson stated that the campaign had resulted in general stimulation of seed treatment in Wisconsin.

Dr. Reed reported that there was practically no control practised in Louisiana, Arkansas and Missouri. The campaign this year is convincing the people that they have smut and a campaign for eradication can be pushed next year.

Seed Treatment Methods.—General discussion of seed treatment methods and cooperation experiments followed. At Dr. Stakman's suggestion, it was moved and carried that the conference go on record approving the cooperative plan of seed treatment experiments.

Haskell and Iowa Treatments.—Iowa method as described by Dr. Melhus: One pint formaldehyde to ten gallons of water on forty bushels of grain. Grain to be sacked at once.

Dr. Whetzel reported that a certain elevator company near Ithaca, N. Y., was using the concentrated formaldehyde method on a large scale.

It was suggested that the treatment described by Dr. Haskell be known as the concentrated formaldehyde treatment.

Report of Committee upon Resolutions.—The following resolutions were presented by the committee upon resolutions and voted upon in turn, each one passing by unanimous vote:

1. We, the Cereal Pathologists in conference assembled at Lafayette, Indiana, after summarizing the evidence accumulated against the barberry as a spreader of black stem rust,

Do heartily endorse the efforts now being made under the leadership of the Department of Agriculture for the eradication of the forms of barberry and Mahonia, susceptible to black stem rust as a war measure of special importance in the conservation of our cereal food supply.

And be it resolved that we urge upon the Department of Agriculture and the agricultural agencies of the various states that the work be extended as speedily and pushed as vigorously as possible in order to give maximum production.

2. WHEREAS, the control of cereal smuts is of paramount importance and whereas, it is essential to learn the effect of different treatments on seed germination and yield, as used upon various cereals in various regions, under different condi-

tions and on various varieties and seed lots with a view to standardizing treatments insofar as possible. Be it therefore resolved, that we, Cereal Pathologists urge (1) The continuation of the present smut eradication campaign U. S. Department. (2) Endorse and support the efforts now being made under the auspices of the War Emergency Board to solve the problems in connection with cereal seed treatment.

3. WHEREAS, Dr. J. C. Arthur, with rare devotion to science and foresight into the problems of the future, has done a tremendous amount of work fundamental to the development of cereal pathology,

AND WHEREAS, recognizing the fine service he had rendered we wish to express our appreciation of and admiration for this self-sacrificing work.

Be it, therefore resolved that we, the Cereal Pathologists assembled at Lafayette, Ind., June 19-21, do hereby express a sincere vote of thanks to Dr. Arthur for the concrete results he has obtained and the inspiration he has furnished, and be it further resolved, that a copy of this resolution, be sent to Dr. Arthur and also be published in *Phytopathology*.

4. WHEREAS, a large quantity of wheat is being imported into the United States from Australia for food purposes, and

WHEREAS, some of the wheat so imported may be used for seed purposes, and

WHEREAS, certain wheat diseases prevalent in Australia and not now in this country, may thereby be introduced into your country,

Be it resolved, by the cereal pathologists in meeting assembled at Lafayette, Ind., June 19-21, that the Horticultural Board be requested to take immediate steps looking toward the prevention of the introduction of such diseases.

CHAS. W. HUNGERFORD,
Secretary

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