

SUMMARY

1. The 1950 potato fungicide experiment was conducted at Northwood, N. D., on land donated by Mr. Arthur Nelson.
2. The fungicidal dusts included Dithane Z-78, Parzate, Cop-O-Zink and Copper Zinc Chromate. Various amounts of zinc sulfate were included in the Dithane D-14 spray.
3. A sufficient amount of early blight was not present for satisfactory evaluation of the fungicides or the CP-5 sticker.
4. The yields obtained from the majority of the plots were approximately the same and the difference between the highest yielding plot and the check was not statistically significant.
5. Plots sprayed with Dithane D-14 and various amounts of zinc sulfate remained green the longest. One of these plots (14S) had the highest yield.

BIMONTHLY BULLETIN ARTICLES ON POTATO INSECTICIDES AND FUNGICIDES, 1945-1950

INSECTICIDES: (Contribution No. 3 also covers fungicides.)

1. Munro, J. A. and Redman, K.—Effectiveness of DDT Against Potato Insects. Vol. VII, No. 4, p. 11, Mar.-April, 1945.
2. Munro, J. A., Butcher, F. G., and Redman, K.—Insects Affecting Potatoes. Vol. VII, No. 5, p. 25, May-June, 1945.
3. Munro, J. A. and Hoyman, W. G.—Evaluation of Various Spray and Dust Materials in the Control of Insects and of the Fungus Causing Early Blight of Potatoes. Vol. VIII, No. 3, pp. 23-30, Jan.-Feb., 1946.
4. Brandes, G. A. and Swisher, E. M.—Spray and Dust Treatments of Potato Demonstration Plots, 1945. Vol. VIII, No. 3, pp. 32-39, Jan.-Feb., 1946.
5. Munro, J. A., Post, R. L., and Hoyman, W. G.—Effect of Insecticides on Tuber Yield and Control Recommendations for 1947. Vol. IX, No. 4, pp. 109-110, Mar.-Apr., 1947.
6. Post, R. L., Colberg, W. J. and Munro, J. A.—Effect of Insecticides on Tuber Yield. Vol. X, No. 3, pp. 98-104, Jan.-Feb., 1948.
7. Post, R. L., Colberg, W. J. and Munro, J. A.—Effect of Insecticides on Tuber Yields. Vol. XI, No. 3, pp. 92-95, Jan.-Feb., 1949.
8. Post, R. L., McCalley, R. W. and Munro, J. A.—Insecticidal Applications and Potato Yields in North Dakota for 1949. Vol. XII, No. 2, pp. 42-46, Nov.-Dec., 1949.
9. Munro, J. A.—The New Era in Insect Control. Vol. XII, No. 5, pp. 172-176, May-June, 1950.

FUNGICIDES:

10. Hoyman, W. G., Munro, J. A. and Post, R. L.—Potato Fungicide Experiments in 1946. Vol. IX, No. 3, pp. 85-87, Jan.-Feb., 1947.
11. Hoyman, W. G.—Potato Fungicide Experiments in 1948. Vol. XI, No. 2, pp. 32-35, Nov.-Dec., 1948.
12. Hoyman, W. G.—Potato Fungicide Experiments in 1949. Vol. XII, No. 3, pp. 77-79, Jan.-Feb., 1950.