Iowa Department of Agriculture

L. B. LIDDY
SECRETARY OF AGRICULTURE

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ADDRESS REPLY TO:
STATE CHEMICAL LABORATORY
EAST 7TH & COURT
DES MOINES, IOWA 50319

June 12, 1970

Mr. E. S. Tucker
Monsanto Company
1700 South Second Street
St. Louis, Missouri 63177

Dear Mr. Tucker:

Thank you very much for the samples of Aroclor 1254 and 1260. We are returning the excess samples via parcel post.

I was even more interested in the literature you so thoughtfully provided. I was previously interested only in 1254 and 1260 because of my experience with residues in fish, but since you provided so much information on 1242, and it appears to have many more less polar components, I am also curious about it. Could you send us a small sample of Aroclor 1242 also?

We are not very well grounded in residue work, and some samples have components that stump us. One sample in particular is a milk sample that has an extremely complex chromatogram with mostly early eluting peaks. It just dawned on me after studying your Methodology for Aroclor that the TLC plate looked exactly what the FDA has published as being characteristic of 1254 and 1260, so I wonder if there might be some connection between this sample and Aroclor 1242 or some other chlorinated polyphenyl complex. I plan to go ahead with the acid treatment your method prescribes, but at any rate would like to add chromatograms of 1242 to the data I have on my columns.

Thank you again, Mr. Tucker, for the interest and assistance you have given us.

Sincerely yours,

A. Scott Fredrickson

A. Scott Fredrickson
Chemist, Pesticide Residue
Laboratory
Iowa Department of Agriculture

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