Monsanto

FROM (NAME & LOCATION) R. E. Keller - R&D Laboratories - South Second Street

DATE August 4, 1969

SUBJECT AROCLORS

REFERENCE KS 8-1-69 memo to JRD, et al

TO Kern Sears
Research 3

cc M. W. Farrar - Res. 1
J. R. Darby - Res. 1
W. R. Richard - GO
E. P. Wheeler - GO
N. W. Touchette - Res. 3
E. S. Tucker - Res. 2

Your question about light stability of biocides such as DDT and 24D in the reference memo has been considered by several workers in Europe. While visiting A. V. Holden, Department of Agriculture and Fisheries, Fresh Water Fisheries Laboratory, Pitlochry, Scotland, it was brought out that there is evidence for DDT degradation. However, this does not explain all the chlorinated products being found as interferences in work directed toward pesticide residue measurements. The general concensus in Europe is that the pesticides do not account for the isomeric mixtures of chlorinated biphenyls in residues which appear to be a close match to our Aroclor products.

It was agreed out of this trip that Monsanto should answer the degradation question on its own. Your suggestion to give DDT and 24D ultraviolet exposure with subsequent monitoring of degradation products is a good place to start. I am asking Scott Tucker by copy of this memo to set up the joint experiments needed with you to make this demonstration. I have discussed this with Joe Darby and he is agreeable to this work.

Thanks for your suggestions.

Bob K

R. E. Keller

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