# Monsanto

Monsanto Company
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St. Louis, Missouri 63166
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April 15, 1969

Dr. Joseph Calandra
Industrial Bio-Test Laboratories, Inc.
1810 Frontage Road
Northbrook, Illinois 60062

Dear Joe:

Concerning my recent telephone conversations with Otis and the exchanges of correspondence concerning the Aroclor studies at your laboratory, this letter is to authorize you to initiate as soon as possible studies 5 through 9 on the attached. The dollar costs are taken from Dr. Fancher's letter and suggested protocols dated September 9, 1968 and his letter and revised protocol for the chicken and duck studies dated April 10, 1969. In a conversation with Otis yesterday he indicated that the cost of the chicken and duck studies using three dosage levels for three materials would be $20,000 for chickens and $20,000 for the mallards rather than the $22,500 shown on his letter of April 10.

In an attempt to keep our expenditures to approximately $90,000 for the year 1969, I have shown prorated costs of $96,250 for 1970 and $36,000 for 1971, for those projects which will run through 1970 and into 1971.

I would appreciate it if Dr. Fancher or Mr. Berndt could let me know the date that these various studies are started, perhaps, using your usual forms such as you send Dr. Hunt.

Please note that we are deferring the subacute fish toxicity studies until we get a better idea of work which is underway in Europe or other laboratories in the U. S.

Best personal regards.

MONS 087804

Sincerely,

Elmer P. Wheeler
Manager, Environmental Health

EPW:cjs
cc: Otis Fancher, W. R. Richard, R. E. Keller, E. S. Tucker, H. S. Bergen, J. E. Springgate, C. Paton




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TOXICITY STUDIES ON AROCLORS

FOR MONSANTO CO.

AT

INDUSTRIAL BIO-TEST LABORATORIES

| | 1969 | 1970 | 1971 |
|---|---|---|---|
| 1) Rat tissue studies (completed)<br>4 Aroclors, DDT, Toxaphene<br>2 chlorinated naphthalenes | 4,500 | | |
| 2) same as above in chickens | ? | | |
| 3) Acute Fish toxicity (underway)<br>4 Aroclors - 4 day TLM | 1,600 | | |
| 4) Sub-acute fish toxicity<br>to be deferred | ---- | | |
| 5) 3-generation rat study<br>Aroclors 1242, 1254, 1260<br>Takes 18 months-total cost $35,000 | 10,000 | 25,000 | |
| 6) 2-yr chronic-rats<br>3 Aroclors as in (5)<br>Total cost $57,500 | 12,750 | 28,750 | 16,000 |
| 7) 2-yr chronic-dogs<br>3 Aroclors as above<br>Total cost - $85,000 | 22,500 | 42,500 | 20,000 |
| 8) Chicken reproduction,<br>egg shell thickness<br>Ca and P content, etc.<br>3 Aroclors as above | 20,000 | | |
| 9) Same as 8) but in<br>Mallard ducks | 20,000 | | |
| | $91,350 | $96,250 | $36,000 |

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