

From  
Dr J R Heylings  
Biochemical Toxicology

ICI Central Toxicology Laboratory  
Alderley Park  
Macclesfield Cheshire SK10 4TJ

To  
Dr S E Jagers  
Executive Group

Tel: 0625 582711  
Telex: 669095/669388  
Fax: 0625 582897

Copies to

| Your ref | Our ref    | Direct line | Tel ext | Date       |
|----------|------------|-------------|---------|------------|
|          | JRH101/LCM | 0625 514550 | 4550    | 9 April 91 |

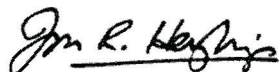
HUMAN DATA WITH THE PARAQUAT EMETIC PP796

I welcomed the opportunity we had to discuss the evidence surrounding the original decision to include PP796 at a concentration of 0.5mg/ml in Gramoxone.

As promised, I enclose some of the relevant background data which includes (i) correspondance on the emetic issue (ii) the original strategy document from Agrochemicals (EDC 729), which contains a copy of CTL/R/390 edited by MS Rose; and (iii) the relevant clinical trial data (PH 20992C) edited by PFC Bayliss.

As we discussed, the data presented in (ii) and (iii) differ markedly. The consequences of this, in my opinion, grossly misled the Agrochemicals Business when the decision to include a level of emetic "which would cause vomiting in the majority of people within 30 minutes following a single lethal dose" was made in 1976. I welcome your proposal for an independent assessment of the situation in order to confirm my findings.

The rationale for revisiting this 15 year old data is based in the impending decision to sanction a new emetic plant (estimated at £8m). I feel that the combination of current animal data with the emetic, together with the information I have brought to your attention, would convince the Business to sanction the cost of the emetic plant prior to the estimated date of 1993, the date which has been set as part of the Magnoxone development programme.



DR J R HEYLINGS  
Biochemical Toxicology