May 17, 1971

Daconil on various crops; reply to memo of W. S. Cox, 5-6-71

Mr. Drew Baker, Petitions Control Branch

File: PP# 1F1024

PESTICIDE PETITION NO. 1F-1024

Chemistry Branch, PTD has recommended that a tolerance of 0.3 ppm of Daconil be established on peanuts instead of the 0.1 ppm negligible residue tolerance requested by the petitioner. They defer to us as to whether we can consider 0.3 ppm a negligible residue.

Assuming peanuts represent 1% of the diet (0.01 x 1.5 kg total daily intake) = 15 gm daily intake. At a level of 0.3 ppm on peanuts, 0.005 mg of Daconil would be added to the daily diet (0.3 mg/kg x 1015 kg).

From the total proposed tolerances of Daconil (see memo of E. C. Hagan, 2-16-71) the amount added to the daily dietary totals 1 mg/day.* Adding the peanut residues the total would be 1.005 mg/day. The previously calculated safe amount that a 60 kg man could ingest is 1.8 mg/day, so that the higher tolerance will not add a significant amount of Daconil to the diet.

Therefore, even though the toxicity data support the safety of 0.3 ppm of Daconil on peanuts, we cannot consider it a negligible residue.

A tolerance for residues of 0.3 ppm of Daconil on peanuts will be safe.

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*This value would be slightly lower since it is proposed to reduce the tolerance on carrots from 5 ppm to 1 ppm.

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