



## CYANOFENPHOS

### Explanation

Cyanofenphos was evaluated by the 1975 Joint Meeting (FAO/WHO 1976) and by the 1980 Joint Meeting (FAO 1981), <sup>1/</sup> Further information was requested on residues in various food commodities, In addition the Codex Committee on Pesticide Residues considered the residue data, in/on cabbage insufficient for establishing a Codex MRL. To meet the latter requirement the. 1982 Meeting was provided with the results of supervised trials on cabbage.

### RESIDUES IN FOOD AND THEIR EVALUATION

#### RESIDUES RESULTING FROM SUPERVISED TRIALS

The trials were carried out in Japan and in Taiwan Province of China by applying cyanofenphos at the recommended or slightly higher rates. The residues in cabbage and Chinese cabbage were in the range of those published in the 1975 Evaluation. The details of experiments are summarized in Table 1 (Sumitomo 1982a, b).

### APPRAISAL

Cyanofenphos was evaluated in 1975 and 1980. Further information was requested on residues in various food commodities. In addition, the CCPR requested further residue data in/on cabbage,

In supervised trials, the residue levels detected in cabbage and Chinese cabbage treated with cyanofenphos at the recommended rates were in the range of 0.6-1 mg/kg 21 days after treatment, which is the proposed preharvest interval. These results are in agreement with the earlier ones considered by the 1975 JMPR.

### RECOMMENDATIONS

The Meeting concluded that the 2 mg/kg limit is still suitable to

<sup>1/</sup> See Annex 2 for FAO and WHO documentation.

Table 1. Residues resulting from supervised trials on cabbage

Crop	Country	Year	Application			Residues (mg/kg) at intervals (days) After application							
			No.	Rate (kg a.i./ha)	Formu- lation	0	1	3	7	14	21	28-30	35-37
Cabbage	<sup>1/</sup> Japan	1981-82	2	1	25 EC						0.6	0.17	0.16
	Japan	1981-82	2	0.75	25 EC							0.48	0.21
Chinese cabbage	<sup>2/</sup> Taiwan	1982	1	0.5	25 EC	14	11	9.1	4.6	1.7	0.9	0.7	0.27
	(Prov. of China)		1	0.75	25 EC	17	13	10	6.2	2,4	1	1,2	0.48

<sup>1/</sup> Mean value of two replicates.

<sup>2/</sup> Mean value of four replicates.

cover the wide residue distribution measured in samples taken after the recommended preharvest interval.

REFERENCES

Sumitomo Chem. Co. Residue Study with Surecide (cyanofenphos) in cabbage.  
1982a Doc. Code GR-11. (Unpublished)

Sumitomo Chem. Co. Surecide residue monitoring studies on Chinese cabbage.  
1982b Doc. Code GR 21. (Unpublished)