

Pesticide Fumigation

: Fumigant

- 1

- 2

:Latent heat of evaporation

1 (calories)

210) 210 HCN

(

61) 61 CH₃ B

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**CH₃ Br, HCN, PH₅ (phosphine), (CH₂)₂ O (Ethylene oxide),
Br - CH₂ - CH₂ - Br (1,2- dibromoethene),
Cl - CH₂ - CH₂ - Cl (Ethylene chloride) .**

: Diffusion

-:

- 2

- 1

- 3

: Sorption

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: Adsorption

(charcoal)

: Desorption

:

- 2

- 1

- 3

cyanohydrins

(HCN)

(met-haemoglobin)

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:

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: **CT product (Concentration Time Product)**

(99)

/ 40

5

$$200 = 40 \times 5 = \text{CT product}$$

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$$\begin{aligned} & \text{HCN} \\ & \frac{1000}{27} = \frac{3}{27} \cdot 1000 = 3 \\ & 27 = 1 + 12 + 14 = \\ & (76) \quad 22.4 \end{aligned}$$

$$22.4 \leftarrow \frac{\text{HCN}}{3} \cdot 27$$

$$2.49 = \frac{22.4 \times 3}{27} = \frac{3}{2.49} \cdot 1000 / 2.49 = \frac{3}{2.49} \cdot 1000$$

$$2490 = \frac{2.49 \times 10^6}{1000} = 2.49 \times 10^3$$

$$2490 \left(\frac{\quad}{2} \right)$$

$$\begin{aligned} \text{CT product} &= 200 \\ 200 &= C \times T \\ 200 &= C \times 2 \\ C &= \frac{200}{2} = 100 \text{ (C)} \end{aligned}$$

$$400 \quad \text{CT product} \quad 10$$

$$\begin{aligned} \text{CT product} &= C \times T \\ 400 &= C \times 10 \\ C &= \frac{400}{10} = 40 \text{ mg/L} \end{aligned}$$

:

- 2
- 1
- 4
- 3
- .
- 5