

Pesticides in the aquatic environment. Appearance and effect

Forekomst og effekt af pesticider i vandmiljøer

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Summary

The use of pesticides in agriculture has led to the appearance of these chemicals and their degradation products in crops, soils, air and water.

A seminar focusing on the appearance and effect of pesticides in the aquatic environment was held 12-14 November 1991 in Denmark.

The aim of the seminar was to elucidate the present knowledge about pollution of water with pesticides in the Nordic countries and to

evaluate the risk of effects in the aquatic environment.

The main topics covered were:

- a) Transport of pesticides to the aquatic environment
- b) Appearance of pesticides in precipitation
- c) Pesticides in surface and subsurface water
- d) Effects of pesticides in the aquatic environment
- e) Protection of the aquatic environment against pesticide pollution.

Key words: Pesticides, review, effects, residues, precipitation, surface water, ground water.

Resumé

Brugen af pesticider i jordbruget har medført, at disse kemikalier og deres nedbrydningsprodukter kan findes i afgrøder, jord, luft og vand.

Et seminar, som beskriver forekomst og effekt af pesticider i vandmiljøer, er afholdt 12.-14. november 1991 på Tune Landboskole.

Formålet med seminaret var at klarlægge vort nuværende kendskab til vandforureninger i de

nordiske lande og at vurdere risikoen for effekter i vandmiljøet.

Seminaret omfattede nedennævnte områder:

- a) Transport af pesticider til vandmiljøet
- b) Pesticider i nedbør
- c) Pesticider i overflade- og grundvand
- d) Effekter af pesticider i vandmiljøet
- e) Beskyttelse af vandmiljøet mod forurening med pesticider.

Nøgleord: Pesticider, review, effekter, pesticidrester, nedbør, overfladevand, grundvand.