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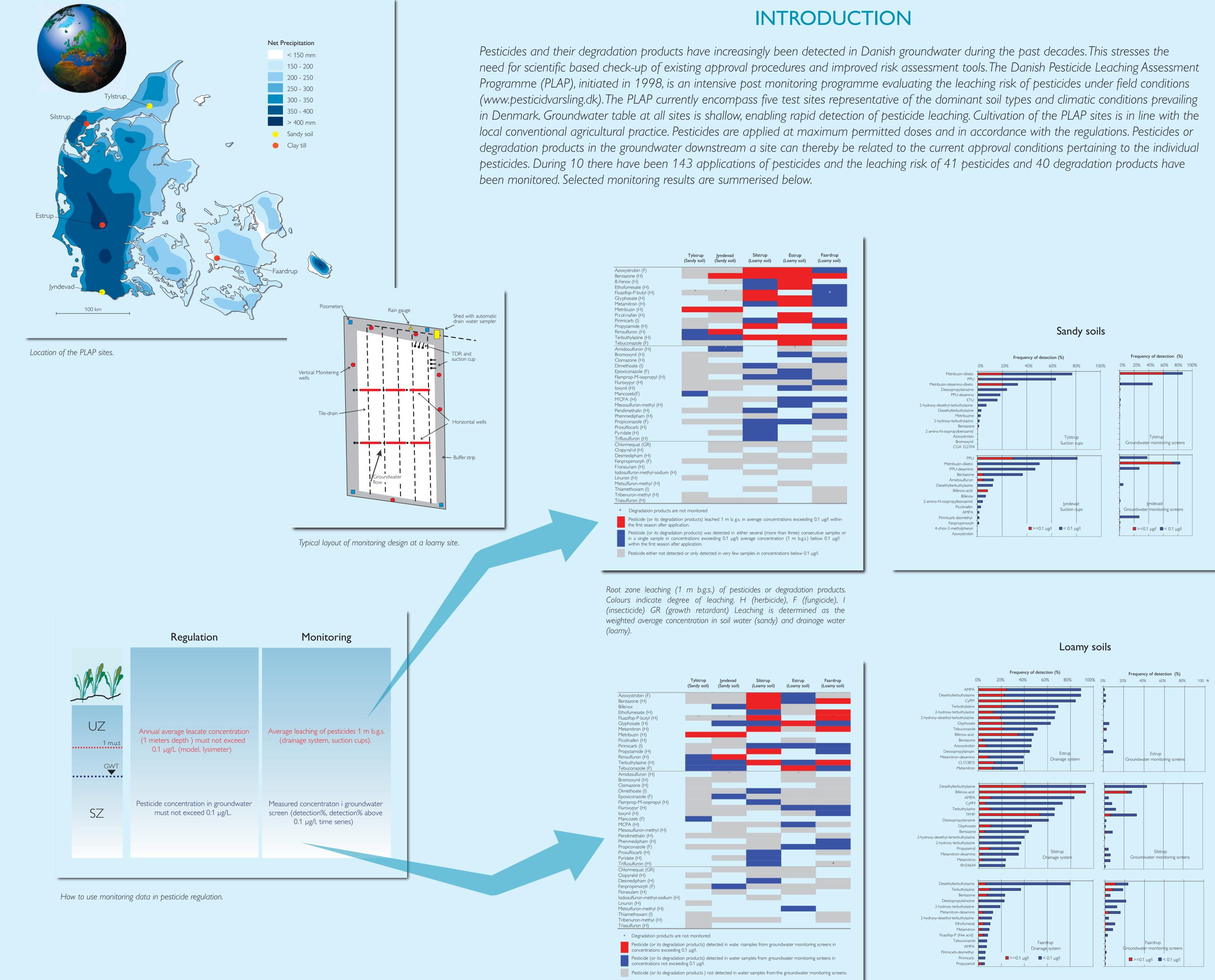
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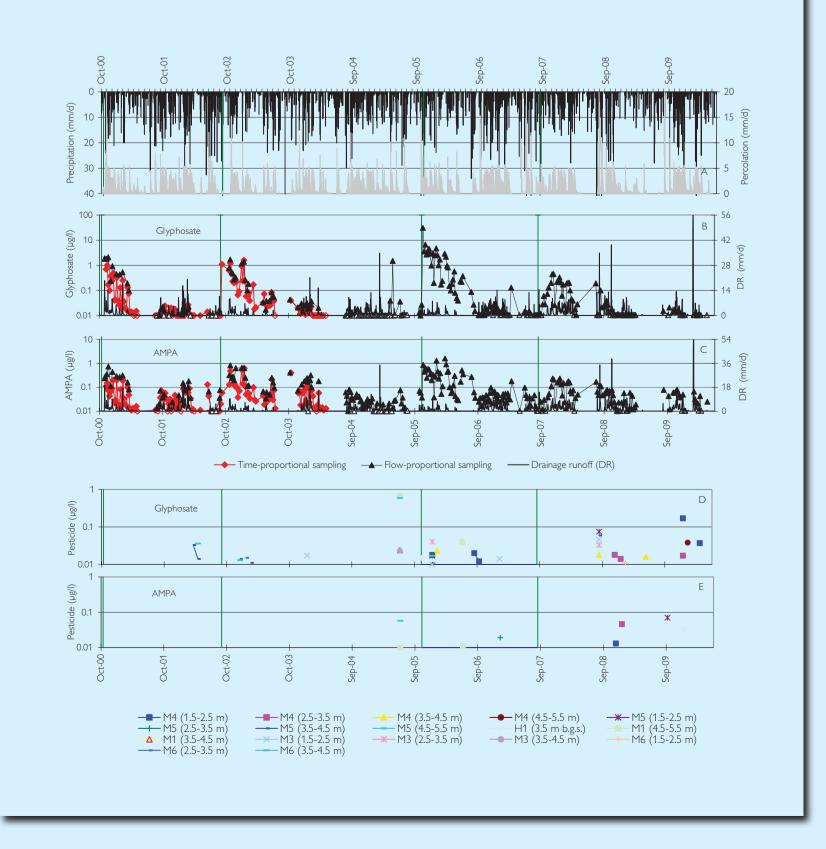


Pesticides or degradation products in groundwater samples. Colours indicate degree of leaching. H (herbicide), F (fungicide), I (insecticide) GR (growth retardant).

Frequency of detection in samples from Tylstrup and Jyndevad (soil water-sandy) and Estrup, Silstrup and Faardrup (drainage water – loamy) as well as and groundwater monitoring screens, of the most frequently detected 15 pesticides during the entire monitoring period Number of analysed samples varies considerably among the different pesticides.

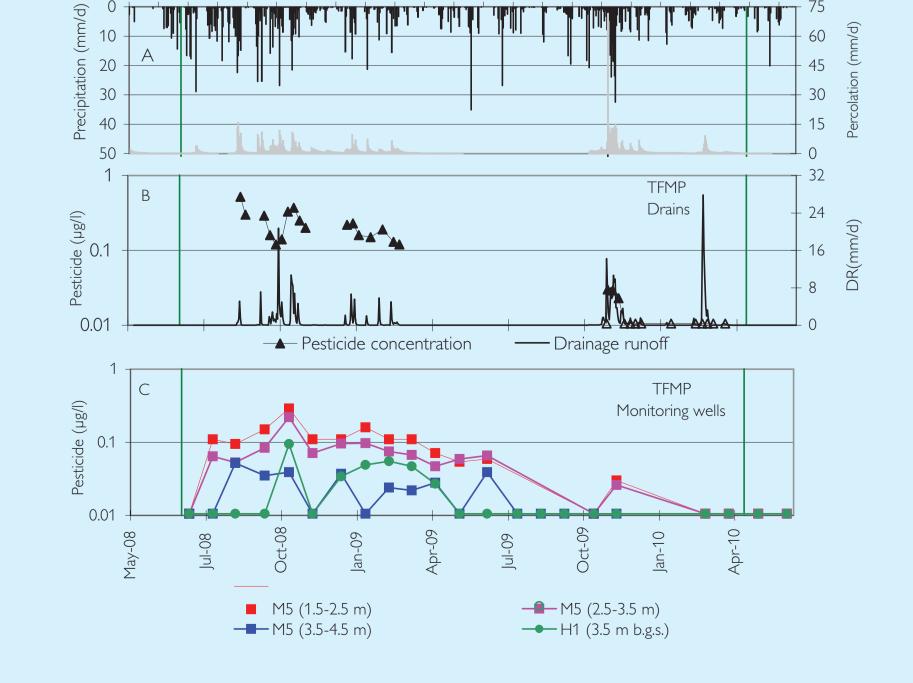
SELECTED MONITORING RESULTS

Leaching of a strongly sorbing pesticide from the loamy soil at Estrup



Leaching of mobile metabolite from the loamy soil at Silstrup

Precipitation and simulated percolation 0.6 m b.g.s. (A) together with the concentration of glyphosate (B) and AMPA (C) in the drainage runoff (DR. on the secondary axis). The nine-year period includes four applications of glyphosate - the green vertical lines. Open symbols are values below the detection limit of 0.01 μ g/l. Detection of glyphosate and AMPA in groundwater monitoring wells is shown in D and E.



Precipitation and simulated percolation 1 m b.g.s. (A) together with the concentration of TFMP (5-(trifluoromethyl)-2-(1H)-pyridinone) a metabolite of fluazifop-P-butyl in the drainage runoff (B) and groundwater monitoring screens (C). The green vertical lines indicate the dates of fluazifop-P-butyl applications. Values below the detection limit of 0.01 μ g/l are shown as 0.01 μ g/l (all graphs) and further represented by open symbols in B.

