

Fig. 1 Drift geology of study area. The drift shown is that most likely to impede recharge. The Sherwood Sandstone shown is that at outcrop together with permeable drift cover. The grid on this map is the National Grid taken from the Ordnance Survey map with permission of The Controller of Her Majesty's Stationery Office.

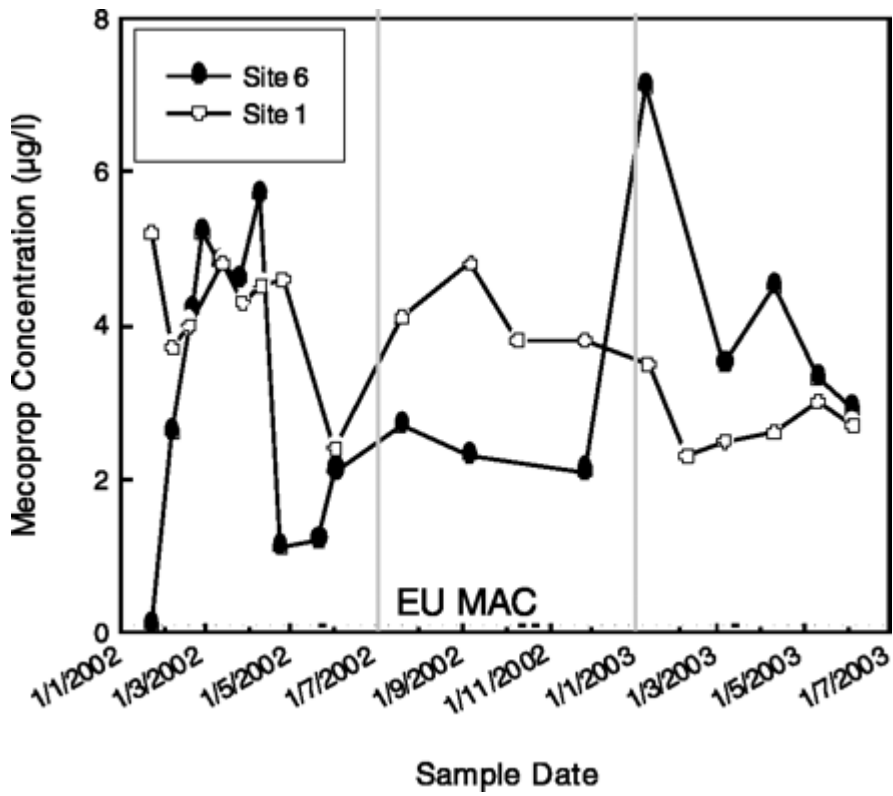


Fig. 2 Concentration of mecoprop at Sites 1 and 6 over the sampling period from January 2002 to June 2003. All but one of the samples exceed the EU MAC of 0.1 µg l⁻¹.

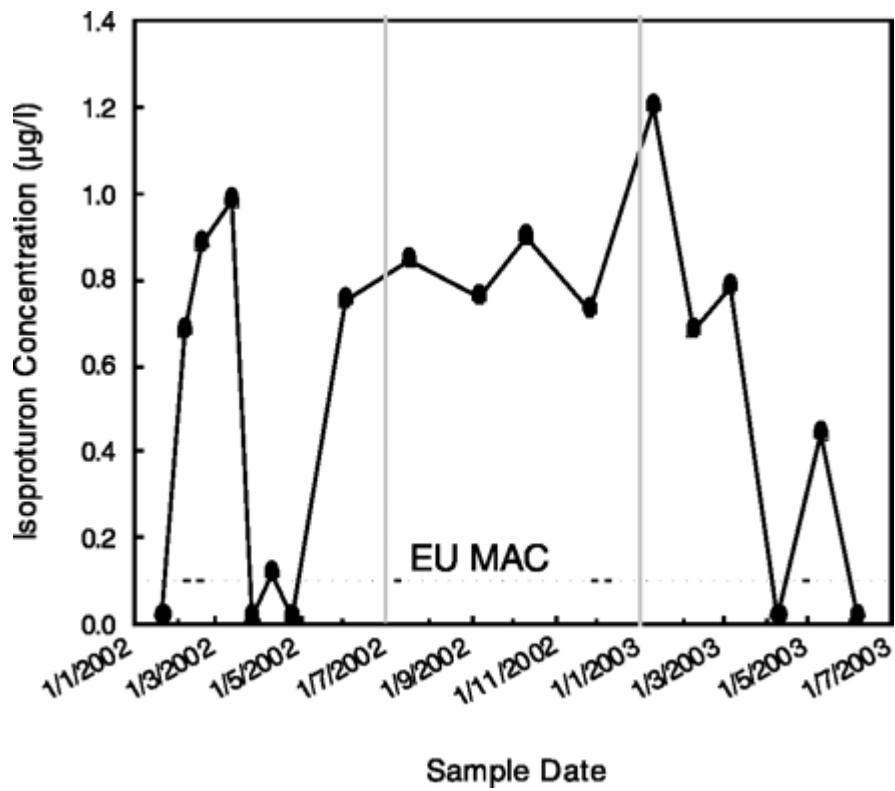


Fig. 3 Concentration of isoproturon at Site 1 over the sampling period from January 2002 to June 2003. The EU MAC of $0.1 \mu\text{g l}^{-1}$ is exceeded on more than 70% of occasions.

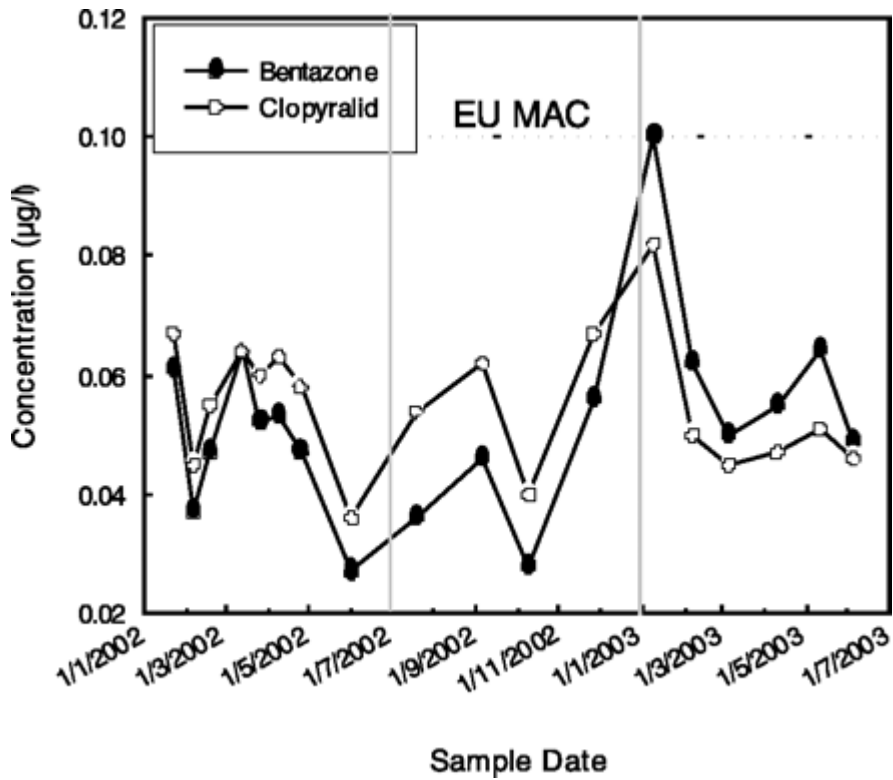


Fig. 4 Similarities in concentration of bentazone and clopyralid at Site 1 over the sampling period from January 2002 to June 2003.

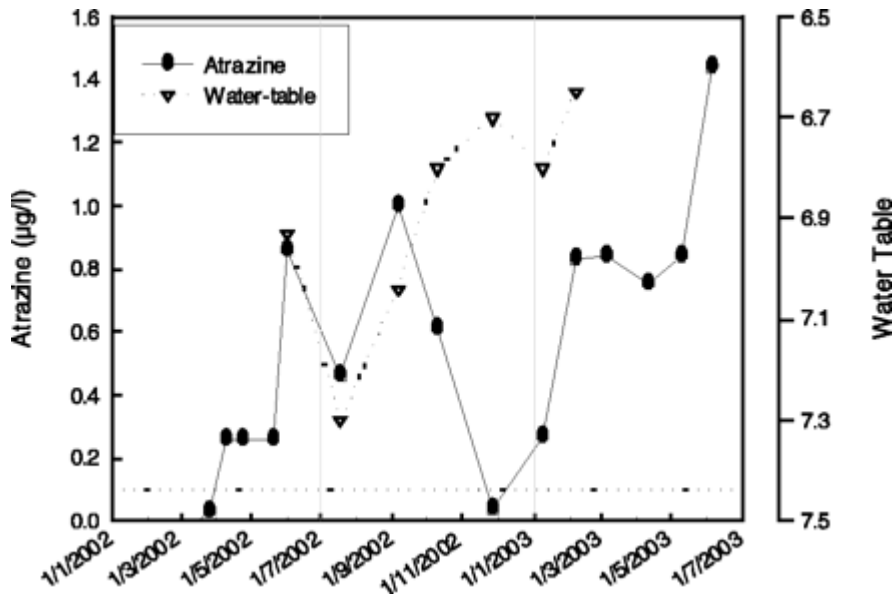


Fig. 5 Concentration of atrazine at Site 10 over the sampling period from January 2002 to June 2003. The EU MAC of $0.1 \mu\text{g l}^{-1}$ is exceeded on more than 85% of occasions.

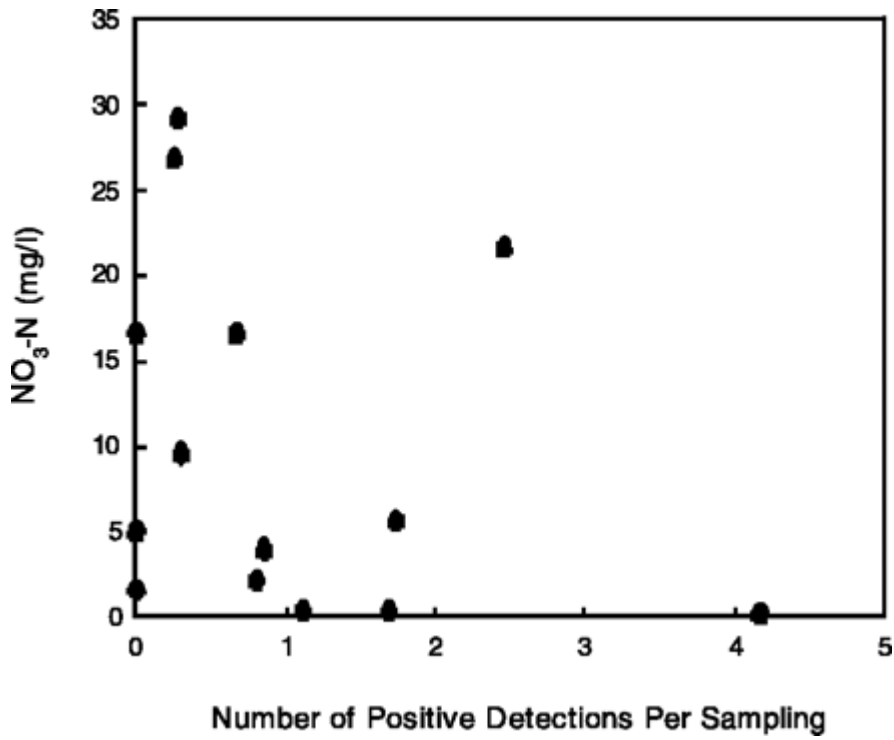


Fig. 6 Relationship between mean nitrate-N concentration and the number of positive pesticide detections normalized to the number of times a site has been sampled.