

1043. Rao, D.H., Verma, B. and Pratap Narain. 1980. A case study of farm pond and

its lining in semi-arid tract of south eastern Rajasthan. Abst. 92, National Symp. on "Soil Conservation and Water Management in 1980's", Dehradun, March 12-13, 1980: 63.

A field pond constructed at Kota (Rajasthan) has been lined by using High Molecular Weight High Density Polyethelene (HMWHDPE) film of 500 gauge to minimise seepage loss. The lining procedure evolved is simple and can be easily adopted where ponds are dug by manual labour. The seepage loss before lining was as high as 45 cm/day. After lining with HMWHDE film, the loss was observed to be in the order of 0.6 to 2.0 cm/day making the lining 95 to 98% effective in reducing seepage loss. Lining with HMWHDPE is less expensive (material cost is only Rs. 2.40/sq m) when compared to other materials e.g. cement concrete 5 cm thick is Rs. 10.10/sq m.