

REFERENCES

- Abhange, G.V. (1986). 'Drainage Problems in Maharashtra - Past Experience & Future Challenges, Sinchan, Jan.1986, pp 50 - 80.
- Abrol,I.P.,Yadav,J.P.S. and F.A.Massoud.(1988). 'Salt affected soils and their management.FAO Soils Bulletin 39,FAO,Rome, Italy.
- Barber,W.(19850. ' The rising water table and development of waterlogging in North West India '. The World Bank Report.
- Beers,W.I.F.Van(1958). 'The Auger Hole Method.',Bull1.Int. Inst.for Recl.& Imp.,Wageningen,The Netherlands.
- Bhanwar Dan Bithu (1993). "Water Conservation in Arid Western Thar Desert". Personal Communication.
- Bouwer, H., and J.van Schilfgaarde.(1963). 'Simplified method of predicting fall of water table in drained land. Amer. Soc. Agr. Eng., Trans. 6(4) : pp. 288 - 296. /
- Briggs,D.and F.Courtney.(1985). 'Agriculture and Environment ', 1st Ed. Longman, New York, p.442.
- Butijn J.(1961). 'Soil Management in fruit growing,Versl landbk, onderz, 66, p.7 .
- Cannon,W.A.(1925) ' Physical features of roots with special reference to the relation of roots to aeration of the soil,Carnegie Institute,Washington, p.368.
- Chandia, B.D. and B.E. Larock (1984). ' Three dimensional model of a Skimming Well' J. of Irrig. & Dra. Engg. ASCE, Vol. 110,No.3,pp. 275-288.
- Channabasiah,H.S.M.(1972). 'Sub Surface drainage in salt affected medium to deep Black soils in India., Lectures delivered at the Summer Institute on Saline and Alkaline soils and their management,CSSRI,Karnal
- Clark, C.O. (1945), 'Storage and Unit Hydrograph' . Trans. ASCE, Vol.110, pp.1419 -1446.
- CWC(1973). 'Estimation of design flood peak', Flood estimation Directorate Report No.1/73,pp.19-24.

Dhawan,C.L.(1958). 'Pre Irrigation soil survey of some district of the Punjab, Ind.J. of Agri. Sci.,27,4.

Dhruva Narayana,V.V.,Abrol,I.P. and D.S.Thakur (1981). 'Sub Surface drainage for reclamation of saline soils, Indian Farming, Vol.XXX (II), PP.34-36.

Dooge, J.C.I.(1959), ' A general theory of the unit hydrograph. Journal of Geophysical Research , 64,2, pp. 241-256.

Dooge, J.C.I. (1967), 'The Hydrologic System as a closed System, Proc. I Intern. Hydrology Symposium Fort Collins, Vol.2, pp.98-113, September.

Ernst,L.F.(1950). ' A new formula for the calculation of the permeability factor with the auger hole method.Agro. Exp. Station,T.N.O.Groningen,The Netherlands.

FAO Irrigation & Drainage Paper 29. 'Water Quality for Agriculture, Revi. 1985.

Feddes,R.A. and P.E.Rijtema.(1972).' Water withdrawl by plant roots, ' J. Hydrol.,17,p.33-59.

Gupta, Ram K., Tambe, G.P. and Gupta, U.S.(1978). 'Evaluation of ring and Basin Infiltrometers for Use in Black Soils' .JNKVV, Res.J.10. 127-131.

Gupta,S.K.(1991). 'Leaching of saline soils.Central Soil Salinity Research Institute, Indo Netherlands Collaborative Project,Karnal,Haryana.

Gupta,S.K.,Tejwani,K.G. and Ram Babu(1971).' Drainage coefficient for surface drainage for agricultural land for different parts of the country.J of Irrigation and Power,28(1).

Gupta,S.K.(1979). ' Evaluation of drainage methods and leaching criterion for saline soils in Rohatak region.Annual Report ,CSSRI,Karnal

Green,W.H. and C.A.Ampt . (1911) ' Studies in Soil Physics 1., Flow of air and water through soil, Journal of Agricultural Sciences 4 : pp.1 -24.

Haverkamp, R., M.Vauclin, J.Touma, P.J. Wierenga, and G. Vachaud (1977), "A comparison of numerical simulation models for one-dimensional infiltration", Soil Sci. Soc. Am. J., Vol.41, pp. 285-294.

Holsambre.D.G. et al.(1982). 'Drainage characteristics of vertisols. J.Ind. Soc. Soil Science, Vol 30, p.116.

Hvorslev,M.J. (1951). ' Time lag and soil permeability in ground water observations. Bull No.36. Waterways Exp. Sta.,U.S.Army Corps of Eng., Vicksburg, Missp. 50 p.

IS:5477-IV(1971). 'Methods for fixing the capacities of reservoirs(flood storage),I.S.I, New Delhi, Reprint 1982

IS:8835-1978: Guidelines for Planning and Design of Surface Drains, I.S.I., New Delhi, 1979.

ILRI (1972). ' Drainage Principles and Applications, Publication No.16, Vol.I, p.241, Wageningen, The Netherlands .

ILRI (1973). ' Drainage Principles and Applications, Publication No.16, Vol.II, p.374, Wageningen, The Netherlands .

ILRI (1974). ' Drainage Principles and Applications, Publication No.16, Vol.III, p.368, Wageningen, The Netherlands .

ILRI (1974). ' Drainage Principles and Applications, Publication No.16, Vol.IV, p.476 , Wageningen, The Netherlands .

Jaiswal,S.R. And V.V.Dhruva Narayana(1972). 'Design of a sub surface drainage system.Proc.Symp. on Water logging causes and its prevention CBIP Pub. No.118(1),pp.91-100.

Johnson, A.I. (1967). "Specific Yield-Compilation of Specific Yields for Various Materials". Water Supply Paper, U.S.G.S., 1662-D, P.74.

Kulandaiswamy,V.C.and T.Babu Rao(1965). 'A mathematical model for basin runoff.

Kumar,C.P. (1992), "Prediction of evaporation losses from shallow water table using a numerical model", TR No. 119, National Institute of Hydrology, Roorkee .

Kumar,R.,Agarwal,M.C. and J.Singh.(1986). ' Management of rising saline water in semi arid regions. Proc.Sem. on Problems of waterlogging and salinity in alluvial soils,New Delhi.

- Kovda,V.A.(1977). 'Arid land irrigation and soil fertility :Problems of soil salinity,alkalinity compaction :Arid land irrigation in developing countries-environmental problems and effects' ed. by Worthington,Oxford,pp 211-235.
- Laurenson,E.M.(1964). 'A catchment storage model for runoff routing. J.Hydrol.Vol. 2,pp 141-163.
- Lovas,L.(1972). 'Salinity control trials by sub soil drainage at Digod.Proc. All India Symp.on soil salinity held at Kanpur,pp.156-160.
- Luthin,J.N. and D.Kirkham (1949). ' A piezometer method for measuring permeability of soil in situ below a water table. Soil Sci. 68 : pp.349-358.
- Luthin,J.N.(1970). 'Drainage Engineering.'Wiley Eastern Private Ltd.
- Michael,A.M.(1967). 'Drainage Research scheme,Annual Report,College of Agri. Engg.,P.A.U.,Ludhiana,p. 108.
- Mishra, A, O.P. Singh and I.P. Abrol 1986 Agricultural Works in India, CBIP J, Vol.43, No.3, p 173-181.
- Mehta,H.C. et al.(1951). 'Effect of pumping and surface drainage in controlling water table,water logging and salinity conditions on deep black cotton soil area,CBIP Pub. No.118(2),pp.115-123.
- Nash, J.E. (1957), 'The Form of the IUH, Bull. Intern. Asso. Sci. Hydrology III, pp.114-121.
- NIH(1984-85). 'Model parameter evaluation using catchment characteristics', Report No.U.M.-9,Roorkee.
- NIH(1984-85). 'Unit Hydrograph Derivation ', Report No. U. M.-8, Roorkee.
- NIH(1988-89). 'Flood estimation by unit hydrograph techniques,Workshop course material,NIH,Roorkee.
- Peterson, D.F. (1957). The Theory of Drainage by Pumping from wells, Drainage of Agri. Lands. Ed by J.N. Luthin, Madison, Wisconin, 181-215.
- Prasad R.(1967). 'A non linear system response model', Proc.Am. Soc.Civ. Engg., J. Hydro.93.(HY-4), pp.201-221.

Rao,K.V.G.K.,and R.S Pandey (1982). 'Problems of sub surface drainage in coastal saline soils of sunderbans.J of Agri. Engg.,Vol.XIX(4), pp.83-89.

Ravina, I.(1982), 'Soil Salinity and Water Quality,' Handbook of Irrigation Technology, Vol.I, Edited by H.J. Finket , C.R.C.Press, Inc. Florida.

RAJAD (1995). 'Analysis of sub surface drainage design criteria'. Rajasthan Agricultural Drainage Research Project,Chambal Command Area Development Project,Rajasthan.

Sahni, B.M. (1972). 'Salt Water Coning Beneath Fresh Water Wells. W. M.Tech. Rep. No.18, Soil & Water Dev. in arid & sub humld area of C.S.U., fort collins, USA, D contract AID/CSD ,2162,p.168 .

Sahni, B.M.(1973). ' Physics of brine coning beneath skimming wells - Ground water ,11(1) . pp 19-24.

Sarkar,T.K.(1980). 'Drainage system design of research farm at IARI,New Delhi,Drainage Manual No.1,Water Tech.Centre,IARI,New Delhi.

Singh, K.P. (1964), 'Nonlinear Iristantaneous Unit Hydrograph theory, J.Hydraul. Division, ASCE, Vol.90, No.HY2, pp.313-347.

Singh,O.P.(1982). ' Salt and water balance for evaluating effectiveness of drainage in saline soils ,Current Agri.,Vol. 6(1-2), pp. 9 -16.

Singh, R.D. (1984-85), 'Comparative study of Unit Hydrograph methods, Report No. 7 . National Institute of Hydrology,Roorkee.

Sewa Ram and H.S.Chauhan.(1972). 'Field study of unsteady subsurface drainage ,J of Agri. Engg., ISAE,Vol. IX, 4, pp.1-11.

Soil Conservation Service(1956). 'National Engineering Handbook',Section 4, Hydrology,USDA,Washington D.C.

Soil Conservation Service(1972). 'National Engineering Handbook',Section 4, Hydrology, USDA,Washington D.C.

Sonu,D.(1973), 'Water and Air Movement in Bounded Layered Soils, Ph.D. Thesis ,Colorado State University. Fort Collins, U.S.A.

Talati,R.P.(1941). 'Damaged lands in the deccan and their classification, Ind. J. Agric Sci. XI(VI)PP.959-977.

O kelly, J.E. (1955), 'The Employment of Unit Hydrographs to Determine the Flows of Irish Areterial Drainage Channels, Proc. Inst. Civil Engnrs. Vol.4,No.3,pp.365-347.

UNDP (1976). ' Groundwater surveys in Rajasthan and Gujarat' ,Technical Report.

Van Schilfgaarde,J.(1974). 'Drainage for irrigation',Am. Soc. Agron., Madison, Wisconsin, p.700.

WAPCOS(1988). 'Handbook for drainage of irrigated areas in India.' Technical Report No. 5, New Delhi.

Wesseling, J., and F.Homma. 1967. "Hydraulic resistance of drain pipes". Neth. Agr.Sci. 15(3):183-97.

Yadav,J.S.P.(1975). 'Annual report,All India Co ordinated scheme for research on water management and salinity.