

References

- Agricultural Finance Corp. Ltd., 1987. *Integrated Cattle Development Project in U.P. Hills*. Bombay : Agricultural Finance Corp. Ltd.
- Allmaras, R.R.; Burnwell, R.E. and Holt, R.F., 1967. 'Plow Layer Porosity and Surface Roughness from Tillage as Affected by Initial Porosity and Soil Moisture at Tillage Time'. In *Soil Sci. Soc. Am. Proc.*, 31: 550-556.
- Anand, U. and Sundaresan, D., 1974. 'Crossbred Bullocks can Contribute to Agricultural Operations'. In *Indian Farming*, 24 : 27-29
- Annaji Rao, V. 1983. 'Draft Efficacy Drive of the Crossbreds'. In *Dairy Guide*, 5:17-19.
- Ashish, M., 1992. 'A Suggested Statement of Problems'. Working paper presented to the Task Force for the Study of Development in the Himalayan Region. Planning Commission, Govt. of India, New Delhi.
- Banskota, M. and Jodha, N.S., 1992. 'Mountain Agricultural Development Strategies: Comparative Perspectives from the Countries of the Hindu Kush-Himalayan Region'. In Jodha, N.S.; Banskota, M. and Partap, T. (Eds) *Sustainable Mountain Agriculture: Perspectives and Issues*, Vol. 1. New Delhi : Oxford & IBH Co., 83-114.
- Bayer, W. and Waters-Bayer, A., 1992. 'Livestock Sustaining Livelihoods'. In *ILEIA Newsletter*, 8(3) : 4-5.
- Benoit, G.R. and Lindstrom, M.J., 1987. 'Interpreting Tillage-Residue Management Effects'. In *J. Soil & Water Cons.*, 87-90.
- Bhagat, M., 1982. *Land Degradation : India's Silent Crises*. Bombay : A Cite Publishers.
- Bhalla, G.S. and Chadha, G.K., 1982. 'Green Revolution and Small Peasant: A Study of Income Distribution in Punjab Agriculture'. In *Econ. Pol. Weekly*, May 15-22, 1982.

- Bhatia, R. and Sharma, R., 1990. 'Energy and Agriculture : A Review'. In Desai, A.V. (ed) *Patterns of Energy Use in Developing Countries*. New Delhi: Wiley Eastern India, 205-251.
- Bodet, P., 1987. 'Animal Energy : An Introductory Review'. In *World Animal Review*, 63: 2 - 6.
- BRT (Bellerive Rural Technology), 1990. 'Harness and Cart-Making'. In *Cartman*, 3(5) : 9-10.
- Chand, R., 1995. 'Livestock in Himachal Pradesh: Factors Affecting Growth, Composition and Intensity'. In *Indian J. Agri. Econ.*, 50(3) : 299-310.
- Conway, G.R. and Barbier, E.B., 1988. 'After the Green Revolution: Sustainable and Equitable Agricultural Development'. In *Futures*, 651-670.
- Defoer, T.; Hilhorst, T.; Kante, S. and Diarra, S. 1995. 'Analysing the Diversity of Farmers' Strategies'. In *ILEIA Newsletter*, 11(2): 9-11.
- Durno, J. ; Moeliono, I. and Prasertcharoensuk, R., 1992. *Sustainable Agriculture for Lowlands: Resource Book*. Bangkok: South-East Asian Sustainable Agriculture Network.
- FAO, 1972. *Employment of Draught Animals in Agriculture*. Rome: FAO.
- GBP University, 1982. *Integrated Natural and Human Resource Planning and Management in the Hills of U.P. Pantnagar, India*: GBP University.
- GBP University, 1989. *National Agricultural Research Project Report*. Ranichauri, India : GBP University.
- Gill, G.J., 1981. 'Choice of Cultivation Techniques in Bangladesh'. In Jackson et al. (eds) *Maximum Livestock Production from Minimum Land*. Mymen Singh, Bangladesh: Bangladesh Agricultural University.
- Goe, M.R., 1983. 'Current Status of Research on Animal Traction'. In *World Animal Review*, No. 45, 2-17.
- Gopalan, C.B.; Ramasastri, V. and Balasubramanium, S.C., 1979. *Nutritive Value of Indian Foods*. Hyderabad, India: National Institute of Nutrition.
- Govt. of U.P., 1993. *Sankhyikiya Diary 1983 and 1993*. Lucknow, India : Govt. of U.P.

- ICAR (Indian Council of Agricultural Research), 1978. *Report on Energy Requirements of Intensive Agricultural Production 1977-78*. Pantnagar, India: GBP University.
- Jackson, M.G., 1985. 'A Strategy for Improving Productivity of Livestock in the Hills of Uttar Pradesh'. In Singh, J.S. (ed) *Environmental Regeneration in Himalaya: Concepts and Strategies*. Nainital, India: CHEA & Gyanodaya Prakashan.
- Jodha, N.S., 1990. *Mountain Agriculture : Search for Sustainability*. Mountain Farming Systems Discussion Paper No. 2. Kathmandu: ICIMOD.
- Jodha, N.S., 1992a. *Common Property Resources: A Missing Dimension of Development Strategies*. World Bank Discussion Paper No. 169. Washington: The World Bank.
- Jodha, N.S., 1992b. 'Mountain Perspective and Sustainability: A Framework for Development Strategies'. In Jodha, N.S.; Banskota, M. and Partap, T.(eds). *op.cit.*
- Jodha, N.S., 1993. *Indicators of Unsustainability : Approaching Sustainability through Unsustainability*. Mountain Farming Systems Discussion Paper No. 35. Kathmandu: ICIMOD.
- Jodha, N.S., 1995a. 'Grazing Lands and Biomass Management in Western Rajasthan: Microlevel Field Evidence'. In *Annals of Arid Zone*, 34(2): 209-226.
- Jodha, N.S., 1995b. 'Studying Common Property Resources : Biography of a Research Project'. In *Economic and Political Weekly*, 30 (11) : 556-559.
- Jodha, N.S.; Banskota, M. and Partap, T., 1992. *Sustainable Mountain Agriculture*. New Delhi: Oxford and IBH Co.
- Jodha, N.S. and Partap, T., 1993. 'Folk Agronomy in the Himalayas : Implications for Agriculture Research and Extension'. In *Rural People's Knowledge, Agricultural Research and Extension Practice: Asia Papers*, 1(3) : 15-96. London: International Institute for Environment and Development (IIED).
- Jodha, N.S. and Shrestha, S., 1990. *Some Conceptual Issues of Livestock Farming in the Mountains*. Mountain Farming Systems Discussion Paper No. 4. Kathmandu: ICIMOD.
- Kemp, D.C., 1987. 'Draught Animal Power: Some Recent and Current Work'. In *World Animal Review*, 63: 7-14.
- Khanna, R.S., 1989. 'A Historical Perspective of Dairy Development in India'. In *Indian Dairyman*, 41(10), October 1989.

- Kothari, A., 1996. 'Conserving India's Agro-Biodiversity: Prospects and Policy Implications'. Paper Presented at the Workshop on Agricultural Biodiversity: 5th Global Biodiversity Forum, 1-3 Nov. 1996, Buenos Aires, Argentina.
- Kuether, D.O. and Duff, J.B., 1981. *Energy Requirement for Alternative Rice Production Systems in the Tropics*. IRRI Research Paper Series 59. Manila: IRRI.
- Kumar, A., 1986. *Effect of Formaldehyde Treated Protein Supplements on Rumen Environment, Nutrient Utilization and Growth in Crossbred Heifers Fed Urea - Treated Wheat Straw*. Ph.D. Thesis. Pantnagar, India: GBP University.
- Kumar, A., 1997. *Nutrition of Draught Animals*. Unpublished Report.
- Kumar, R., 1991. *Performance Evaluation of Single Neck Yokes and Harnesses for Draught Buffalo*. M.Tech. Tesis. Pantnagar, India: GBP University.
- Larson, W.E., 1962. "Tillage Requirements of Corn". *J. Soil and Water Cons.*, 17 : 3-7.
- Lindstrom, M.J.; Woorhees, W.B. and Randall, W., 1981. 'Long-term Tillage Effect on Interrow Runoff and Infiltration'. In *Soil Sci Soc. Am.J.*, 15 : 1945 - 1948.
- Lord, D.R., 1991. 'Holy Cow : Sacred or Scared'. In *Cartman*, 4(10): 20-22.
- Maikhuri, R.K., 1996. 'Eco-energetic Analysis of Village Ecosystem of Different Traditional Societies of Northeast India'. In *Energy* , 21(12):1287-1297.
- Mali, S.L.; Upase, B.T. and Deshmukh , A.P., 1983. 'Draught Animal Power: A National Wealth'. In *Dairy Guide*, 5:25-27
- Mann, H.S., 1977. *Desertification and its Control : Introduction to U.N. Conference on Desertification, Nairobi, August 29 to September 9, 1977*.
- Matthews, M.D.P., 1987. 'Measuring Draught Animal Power of Carabaos Crossed with Exotic Buffaloes'. In *World Animal Review*, 63: 15-19.
- Mc Colly, F., 1971. 'Proposal of Agricultural Mechanisation in the Countries of South-East Asia'. In *Agri. Mech. Asia*, Spring 1971, 25-35.
- Miller, D.J., 1995. *Herds on the Move : Winds of Change among Pastoralists in the Himalayas and on the Tibetan Plateau*. MNR Discussion Paper No. 95/2. Kathmandu : ICIMOD.
- Mishra, S.N., 1995. 'India's Livestock Economy: A Perspective on Research'. In *Ind.J. Agri. Eco.*, 50 (3) : 255-263.

- Mitchell, R. 1979. *The Analysis of Indian Agro- ecosystems*. New Delhi: Imprint.
- Nair, K.N., 1982. 'Animals and Tractors in Agrarian Economies : An Analysis of Some Issues Concerning Cultivation Techniques in Agriculture'. Paper presented at Seminar on *Maximum Livestock Production from Minimum Land* at Dacca, Bangladesh, 15-17 February, 1981.
- Negi, G.C., 1990. *Livestock Development in Himachal Pradesh : Retrospect and Prospect*. Mountain Farming Systems Discussion Paper No. 7. Kathmandu: ICIMOD.
- Negi, G.C.S., Singh, V. and Singh, S.P. 1989. 'Energetics of Agricultural Systems : An Experimental Study from the Central Himalaya'. In Pandey, D.C. and Tiwari, P.C.(eds) *Dimensions of Development Planning*, Vol 2. New Delhi, 459-476.
- Orskov, B., 1984. 'Possible Paths to Real Development'. In *New Scientist*, Jan 19, 1984, 28-30.
- Orskov, E.R., 1995. 'Changing Needs in Cattle Feed'. In *Down To Earth*, 4(4) : 28-31.
- Partap, T., 1995. *High - value Cash Crops in Mountain Farming : Mountain Development Processes and Opportunities*. Mountain Farming Systems Discussion Paper No. 95/1. Kathmandu : ICIMOD.
- Partap, T., 1996. 'Mountain Agriculture Biodiversity Perspectives and Framework for Management'. Paper presented at the *Expert Meeting on Mountain Agriculture Biodiversity Perspectives and Issues in the HK - Himalayan Region* at New Delhi, July 18-19, 1996.
- Partap, T. and Watson, H., 1994. *Sloping Agricultural Land Technology(SALT): A Regenerative Option for Sustainable Mountain Farming*. ICIMOD Occasional Paper No. 23. Kathmandu: ICIMOD.
- Pandey, U. and Singh, J.S., 1984. 'Energy-Flow Relationships between Agro- and Forest Ecosystems in Central Himalaya'. In *Environ. Cons.*, 11(1) : 45-53.
- Pandey, U.K., 1995. 'The Livestock Economy of India: A Profile'. In *Ind. J. Agri. Econ.*, 50(3) : 264-282.
- Pandey, U.; Saxena, A.K.; Pandey, H.K. and Singh, J.S. ,1982. 'Problems of Forests and Forestry in Kumaon Himalaya'. In *The Vegetational Wealth of Himalayas*. New Delhi: Puja Publishers

- Patel, R.K., 1993. 'Present Status and Promise of Dairying in India'. In *Ind. J. Agri. Econ.*, 48(1) : 1-33.
- Powell, M. and Ikpe, F., 1992. 'Fertilizer Factories : Nutrient Recycling through Livestock'. In *ILEIA Newsletter*, 8(3) : 13-14.
- Rajpurohit, A.R., 1975. 'Bovine Feed Availability and Requirement in Karnataka with Reference to Dairy Development Programme'. In *Ind. J. Agri. Eco.* 30(3), July - Sept. 1975.
- Ralhan, P.K.; Negi, G.C.S. and Singh, S.P., 1991. 'Structure and Function of the Agro-forestry System in the Pithoragarh District of Central Himalaya : An Ecological View point'. In *Agriculture, Ecosystems and Environment*, 35, 283-296.
- Ramani, K.V.; Reddy, A.K.N. and Islam, M.N. (eds.), 1995. *Rural Energy Planning : A Government - Enabled Market - Based Approach*. Kuala Lumpur : APDC & GTZ, 252-253.
- Ramaswamy, N.S., 1983. 'Draught Animal Power in the Developing Countries with Specific Reference to Asia'. *Asian Livestock*, May and June 1983.
- Ram, J.; Arya, P. and Manral, J.P.S., 1993. 'Status and Management of Grazinglands in Central Himalaya, India'. In Singh, V. (ed) 208-232, op. cit.
- Ram, R.A., 1982. 'Use of Bullock Power in Farming System'. *Proceedings and Seminar Papers*. Bangalore, India : IIM.
- Rao, C.H.H., 1994. *Agricultural Growth, Rural Poverty and Environmental Degradation in India*. New Delhi: Oxford University Press.
- Rao, M.N.V., 1974. *A Comparative Study of the Draught Capacity of Crossbred Bullocks and Indigenous Bullocks*. Karnal, India: NDRI.
- Rawat, P.S., 1993. *Migration and Structural Change: A Study of Rural Society in Garhwal Himalaya*. Delhi : Sarita Book House.
- Reijntjes, C., 1992. 'Fossil, Human or Bio-Energy'. In *ILEIA Newsletter*, 8(4) : 3-4.
- Revelle, R., 1976. 'Energy Use in Rural India'. In *Science*, 192 : 969-975.
- Rijal, K.; Bansal, N.K. and Grover, P.D., 1991. 'Energy and Subsistence Nepalese Agriculture'. In *Bioresource Technology*, 36 (1991).

- Roeleveld, L.; Rugimbana, C.; Wella, E.; Ngendello, A. and Nyanga, A., 1995. 'Oxen - Drawn Weeders Reduce Workload'. In *ILEIA Newsletter*, 11(3) : 24-25.
- Roy, S.R.; Neogi, A.K. and Guha, H., 1972. 'Crossbred Bullocks vs Indigenous Bullocks for Draught Purposes under West Bengal Conditions'. In *Indian Dairyman*, 24: 66-70.
- Sarkar, R.I., 1981. 'Improved Utilization of Animal Draught Power in Bangladesh'. In Jackson et al (eds) *Maximum Livestock Production from Minimum Land*. Mymen Singh, Bangladesh: Bangladesh Agricultural University.
- Sharma, A., 1994. *Determining Work Rest Schedule of Buffaloes in Linear Mode*. M.Tech. Thesis. Pantnagar, India: GBP University.
- Shrestha, S., 1992. *Mountain Agriculture : Indicators of Unsustainability and Options for Reversal*. Mountain Farming Systems Discussion Paper No. 32. Kathmandu: ICIMOD.
- Singh, H. and Moore, E, 1978. *Livestock and Poultry Production (Second Edn.)*. New Delhi: Prentice Hall of India.
- Singh, H.; Raghubansi, A.S.; Singh, K.P. and Singh, J.S., 1994. 'Reduced Tillage for Sustainable Dryland Farming'. In *Tropical Ecology*, 35(1) : 1-23.
- Singh, J.S. and Singh, S.P., 1987. 'Forest Vegetation of the Himalayas'. In *Bot. Rev.* 53 : 81-192.
- Singh, J.S. ; Pandey, U. and Tiwari, A. K., 1984. 'Man and Forests: A Central Himalayan Case Study'. In *Ambio*, 13(2): 80-87.
- Singh, P.K., 1995. 'Regional Spread of Draught Animal Power System in Gujarat'. In *Ind. J. Agri. Eco.*, 50(3) : 343.
- Singh, V., 1985. *Animal Draught Power and Fodder Resources in lthe Mid-altitude Himalayan Villages*. Ph.D. Tesis. Pantnagar, India: GBP University.
- Singh, V., 1991a. 'A Himalayan Disaster'. *Financial Express*, New Delhi, October 31, 1991.
- Singh, V., 1991b. *Ecological Impact of Apple Cultivation in the Himalaya*. Dehradun, India : IBD.
- Singh, V., 1992. *Dynamics of Unsustainability of Mountain Agriculture*. Report of the MFS - ICIMOD Commissioned Study in the Garhwal Himalaya, India. Kathmandu: ICIMOD.

- Singh, V.(ed.), 1993. *Eco-crisis in the Himalaya: Causes, Consequences and Way Out*. Dehradun, India : IBD.
- Singh, V., 1994. 'Crossbreeding an Utter Failure'. In *Financial Express*, New Delhi, July 20, 1994.
- Singh, V. and Naik, D.G., 1987a. 'Animal Draught Power in the Mid-altitude Himalayan Villages'. In Pangtey, Y.P.S. and Joshi, S.C. (eds) *Western Himalaya : Environment, Problems and Development*, Vol. II. Nainital; India : Gyanodaya Prakashan, 755-770.
- Singh, V. and Naik, D.G., 1987b. 'Fodder Resources of Central Himalaya'. In Pangtey, Y.P.S. and Joshi, S.C. (eds) op.cit. Vol. I, 223-241.
- Singh, V. and Naik, D.G., 1985. *Energy Contribution by Various Bovines to Different Types of Agricultural Operations*. A Report submitted to the Indian Institute of Management, Bangalore, India. Bangalore : IIM.
- Singh, V.; Naik, D.G. and Kumar, A., 1988. 'Nutritional Evaluation of Fodder Trees in Kumaon Himalaya'. In *Advances in Forestry Research in India*, Vol. 2, 93-103.
- Singh, V. and Sharma, R.J., 1990. 'Forest - Livestock - Crop - Human Relationships and Development of a Sustainable System : A Garhwal Himalayan Case Study'. In *Advances in Forestry Research in India*, Vol. V, 211-245.
- Singh, V. and Sharma, R.J., 1993. 'Energetics of Crossbred Dairy Cows in Himalayan Environment'. In Singh, V.(ed.) op.cit., 147-164.
- Singh, V; Sharma, R.J. and Sharma, M.L., 1995. 'Status of Draught Animal Power in Garhwal Mountains'. In *Adv. Agric. Res. India*, Vol. 3, 173-178.
- Srivastava, N.S.L. and Yadav, G.C., 1987. 'Perspective Planning for Draught Animal Power for the Year 2000'. In *Proc. of National Seminar on Status of Animal Energy Utilization*. Bhopal, India : CIAE.
- Srivastava, R.C. and Shah, S.L., 1984. *Energy Utilization Efficiency of Selected Crops in Traditional and Improved Agriculture in U.P. Hills*. Unpublished Report.
- Subrahmanyam, S. and Rao, R.N., 1995. 'Bovine Sector in Agriculturally Prosperous and Backward Regions : A Comparative Study'. In *Ind. J. Agri. Eco.* 50(3) : 311-316.
- Tantia, M.S.; Kumar, P.; Joshi, B.K.; Vij, P.K. and Vivsarkar, A.E., 1993. 'Population Estimates of Sheep and Goat Breeds of India'. Paper presented at *National Seminar*

on *Animal Genetic Resources and Their Conservation*, April 22-23, 1993, Karnal, Haryana, India.

Vaidyanathan, A., 1988. *Bovine Economy in India*. Trivandrum, India: Centre for Development Studies.

World Bank, 1991. *Environmental Assessment Source Book: Sectoral Guidelines, Vol.II*. World Bank Technical Paper No. 140. Washington: The World Bank.

Yadav, Y., 1990. *Farming - Forestry - Livestock Linkages in Mountain Regions*. Mountain Farming Systems Discussion Paper No. 14. Kathmandu: ICIMOD.