

REFERENCES

- Adu-Gyamfi J.J., K. Fujita, S. Ogata. 1990. Phosphorous Fractions in Relation to Growth in Pigeon pea (*Cajanus cajan* (L.) Millsp.) at Various Levels of P Supply. *Soil Science Plant Nutrition* 36: 531-543.
- Ae N., J. Arihara, K. Odaka, T. Yoshihara, and C. Johansen. 1990. Phosphorous Uptake by Pigeon pea and its Role in Cropping Systems of the Indian Subcontinent. *Science-Washington* 248(4954): 477-480.
- Berkhout, J.A.A., and H. Van Keulen. 1986. Potential Evaporation. In H. Van Keulen and J. Woff (eds). *Modeling of Agricultural Production, Weather, Soils and Crops*. Pudoc, Wageningen th Netherlands. 479 p.
- Brown F. B. 1969. Upland Rice in Latin America, *Int. Rice Comm. Newslett.* 18: 1-5. In Major Research in Upland Rice, 1975. The International Rice Research Institute, Los Banos, Philippines. 16-17 p.
- Chazee, L. 1994. Shifting Cultivation Practices in Laos - Present Systems and their Future. In Shifting Cultivation and Rural Development in the Lao PDR. Report of the Nabong Technical Meeting, July 14-16 1993, Vientiane, Laos PDR. 67-97 p.
- Fujisaka S. 1991. A Diagnostic Survey of Shifting Cultivation in Northern Laos: Targeting Research to Improve sustainability and Productivity. *Agroforestry Systems* 13: 95-109.
- Garrity D. 1993. Sustainable Land-use Systems for Sloping Uplands in Southeast Asia. In Technologies for Sustainable Agriculture in the Tropics, pp 41-66. ASA Special Publication No. 56, Madison, WI.
- Gooding H.K. 1962. The Agronomic Aspects of Pigeon pea. *Field Crop Abstr.* 15: 1-5.
- Gupta P.C., and J.C. O'toole. 1986. Upland Rice – A Global Perspective. International Rice Research Institute. Los Banos, Laguna, Philippines. 75 p.

- Hernami L.C., E. Sakai, F. Lumbradi Neto, and I.F. Lepsch. 1987. Effects of Clearing of Secondary Forest on a yellow Latosol of the Rebeira Valley, Sao Paulo, Brazil. 2: Revista Brasileira de Ciencia do Solo 11:215-219. In P.A. Sanchez and H. Helen (eds.). Alternatives to Slash-and-Burn Agriculture. Symposium ID-6, 15th International Soil Science Congress Acapulco, Mexico, 1994. International Center for Research in Agroforestry and International Society of soil Science. Nairobi, Kenya. 47 p.
- Heihsch C.K., and R.E. McCollum. 1987. Area and Time Equivalency Ratio: a Method for Evaluating the Productivity of Intercrops. Agron. J. 79:15-22.
- IBSRAM. 1996. Annual Report of the ASIALAND. Dokmaideng Hotel. Sept. 23-27, 1996. Vientiane, Lao PDR.
- ICRISAT. 1991. Annual Report of International Crops Institute for the semi-Arid Tropics, Patancheru, Andhra Pradesh 502 324, India. 92 p.
- Jordan C.F. 1985. Nutrient Cycling in Tropical Forest Ecosystems. New York: Jhon Wiley and Sons. In P.A. Sanchez and H. Helen (eds.). Alternatives to Slash-and-Burn Agriculture. Symposium ID-6, 15th International Soil Science Congress Acapulco, Mexico, 1994. International Center for Research in Agroforestry and International Society of soil Science. Nairobi, Kenya. 67 p.
- Lao-IRRI Project. 1993. Rainfed Upland Experimental Results. In National Rice Research Center and Lao-IRRI Project, 1993 Annual Technical Report. 205 p; 221 p.
- Lao-IRRI Project. 1994. Rainfed Upland Experimental Results. In National Rice Research Center and Lao-IRRI Project, 1994 Annual Technical Report. 188 p.
- Maag H.P. 1999. The Lao IRRI Rice Research and Training Project. In Lao-IRRI Research and Training Project, Progress Report January-June 1999. 31-33 p.
- National Agricultural Research Center and Lao-IRRI Project. 1998. Wet Season Research Program, in Brief.

Ofori F., and W.R. Stern. 1987. Cereal-legume Intercropping Systems. *Adv. in Agron.* 41: 41-85.

Phouaravanh B., B. Keoboualapha, S. Phengchanh. 1993. Shifting Cultivation Practices in Northern Laos. Paper presented at the Workshop on Agroforestry and Social Forestry for Rehabilitation of Degraded Land, 29 Nov-1 Dec, Ho Chi Minh City, Vietnam. In C. Piggin, B. Courtois, and V. Schmit. Proceeding of the Upland Rice Consortium Workshop, 4-13 Jan 1996, Padang, Indonesia. 45 p.

Provincial Agriculture Service of Luang Prabang. 1997. 20 Years of Crop Production Report Summary.

Provincial Cropping Section of Luang Prabang. 1997 Crop Production Report.

Provincial Cropping Section of Luang Prabang. 1998 Crop Production Report.

Raintree J.B., and Warner K. 1986. Agroforestry Pathways for the Intensification of Shifting Cultivation. *Agroforestry Systems* 4: 39-54.

Roder W., W. Leacock, N. Vienvonsith and B. Phantanousy. 1991. The Relationship Between Ethnic Group and Land Use in Northern Laos. Poster Presented at International Workshop for Sustainable Land Management in the Developing World. Chiang Rai. Thailand.

Roder W., B. Phouaravanh, S. Phengchanh, B. Keoboualapha, and S. Maniphone. 1994. Upland agriculture-activities by Lao-IRRI project. In Shifting cultivation and rural development in the Lao PDR. Proceedings of the Nabong Technical Meeting, Nabong Agriculture College, Vientiane, Lao PDR. 152-169 p.

Roder W., S. Maniphone, and B. Keoboualapha. 1998. Pigeon pea for Fallow Improvement in Slash-and-Burn Systems in the Hills of Laos. *Agroforestry Systems* 39: 45-57.

- Sanchez P.A., J.H. Villachica, and D.E. Bandy. 1983. Soil Fertility Dynamics after Clearing a Tropical Rainforest in Peru. *Soil Science Society of America Journal* 47:1171-1178. In P.A. Sanchez and H. Helen (eds.). Alternatives to Slash-and-Burn Agriculture. Symposium ID-6, 15th International Soil Science Congress Acapulco, Mexico, 1994. International Center for Research in Agroforestry and International Society of soil Science. Nairobi, Kenya. 84 p.
- Soukhaphonh H., W. Roder, S. Phengchanh, K. Vannalath. 1992. Research at a Key Upland Farming Systems Site – Luang Prabang. Paper Presented at Upland Rice-Based Farming Systems Planning Meeting, Chiang Mai, April/May 1992.
- Taaka N., and M. Jo. 1994. Shifting Cultivation in the Nam Khan Watershed, Luang Prabang Province, Lao PDR. In Proceeding from the Symposium on Environmentally Sound Development and Quality of Life in Shifting Cultivation Areas. Conference Hall of the Department of Forestry, Ministry of Agriculture and Forestry (MAF), Vientiane, Lao PDR, 23-24 Feb 1994. 10 p.
- Trenbath B.R. 1976. Plant Interactions in Mixed Crop Communities. p. 129-169. In R.I. Papendick et al. (eds.) Multiple Cropping. Special Publication 27. American Society of Agronomy, Madison, WI.
- Tulaphitak T., C. Pairintra, and K. Kyuma. 1985. Changes in Soil Fertility. *Soil Science and Plant Nutrition* 31:35-43. In P.A. Sanchez and H. Helen (eds.). Alternatives to Slash-and-Burn Agriculture. Symposium ID-6, 15th International Soil Science Congress Acapulco, Mexico, 1994. International Center for Research in Agroforestry and International Society of soil Science. Nairobi, Kenya. 85 p.
- Tulaphitak T., C. Pairintra, and K. Kyuma. 1985. Changes in Soil Fertility and Soil Tilt under Shifting Cultivation. 2: Changes in Soil Nutrient Status. *Plant and Soil* 31:239-249. In P.A. Sanchez and H. Helen (eds.). Alternatives to Slash-and-Burn Agriculture. Symposium ID-6, 15th International Soil Science Congress Acapulco, Mexico, 1994. International Center for Research in Agroforestry and International Society of soil Science. Nairobi, Kenya. 67 p.
- Vandermeer J. 1989. The Ecology of Intercropping. Cambridge University Press, Cambridge. 237 p.

Velrsilp T., and K. Suksawat. 1991. Soil Information Systems. Tech. Rep no. 223. Soil Survey and Classification Division, Land Dev. Dept., MOAC. 9 p.

Warner K. 1991. Shifting Cultivators – Local Technical Knowledge and Natural Resource Management in the Humid Tropics. Community Forestry Note 8. FAO, Rome. 80 p.

Watanabe H., and S. Ruaysoognem. 1984. Effect of Shifting Cultivation on Soil Macrofauna in northeast Thailand. Mem. Coll. Agr. Kyoto University 125:35-43. In P.A. Sanchez and H. Helen (eds.). Alternatives to Slash-and-Burn Agriculture. Symposium ID-6, 15th International Soil Science Congress Acapulco, Mexico, 1994. International Center for Research in Agroforestry and International Society of soil Science. Nairobi, Kenya. 91 p.

Weeraratna C.S. 1984. The effect of shifting Cultivation in the Tropics on some Soil Properties. Beitrage zur Tropischen Landwirtschaft und Veterinarmedizin 22:135-1139. In P.A. Sanchez and H. Helen (eds.). Alternatives to Slash-and-Burn Agriculture. Symposium ID-6, 15th International Soil Science Congress Acapulco, Mexico, 1994. International Center for Research in Agroforestry and International Society of soil Science. Nairobi, Kenya. 47 p.

Willey R.W. 1979. Intercropping-it's Importance and Research Needs. Part I. Competition and Yield Advantages. Part II. Agronomy and Research Needs. Field Crop Abstr. 32: 1-10; 73-85.

Xieng Ngeun District Agriculture Service, 1998 Annual Report.