

REFERENCES

- Abruna, F. 1980. Response of soybean to liming and acid tropical soil. *In* Corbin, F.T. (ed.). World Soybean Research Conference II: Proceedings. Westview Press, Boulder, Colorado. 35-45.
- Barnhisel, R. and P.M. Bertsch. 1982. Aluminum. *In* Page, A.L. (ed.). Method of Soil Analysis (Part 2). Madison, Wisconsin. USA. 275-296.
- Batterham, E.S. and A.R. Egan. 1987. Utilization of food legumes as feed. *In* Wallis, E.S. and D.E. Byth (eds.). ACIAR Proceedings. Food Legume Improvement for Asian Farming Systems. Canberra, Australia. 18:193-199.
- Beck, D.P. and R.J. Roughley. 1987. Biological nitrogen fixation as a limitation to food legume production in Asia. *In* Wallis, E.S. and D.E. Byth (eds.). ACIAR Proceedings. Food Legume Improvement for Asian Farming Systems. Canberra, Australia. 18:121-126.
- Borkert, C.M. and G.J. Sfredo. 1994. Fertilizing tropical soils for soybean. *In* FAO. Tropical Soybean Improvement and Production. FAO. Rome. 175-197.
- Bruce, R.R. and S.A.E. Swaify. 1987. Legume effects on soil erosion and productivity. *In* Power, J.F. The Role of Legumes in Conservation Tillage Systems. America, 127-136.
- Byth, D.E., E.S. Wallis and I.M. Wood. 1987. The workshop-An Overview. *In* Wallis, E.S. and D.E. Byth (eds.). ACIAR Proceedings. Food Legume Improvement for Asian Farming Systems. Canberra, Australia. 18:7-17.
- Carangal, V.R., M.V. Rao and B. Siwi. 1987. Limits imposed by management in irrigated farming systems. *In* Wallis, E.S. and D.E. Byth (eds.). Food Legume Improvement for Asian Farming Systems. Canberra, Australia. 18:64-71.

- Cattelan, A.J. and M. Hungria. 1994. Nitrogen nutrition and inoculation. In FAO. Tropical Soybean Improvement and Production. FAO. Rome. 201-209.
- Craswell, E.T., J.E. Loneragan, and K.K. Pirmpoon. 1987. Mineral constraints to food legume crop production in Asia. In Wallis, E.S and D.E. Byth (eds.). ACIAR Proceedings. Food Legume Improvement for Asian Farming Systems. Canberra, Australia. 18: 99-109.
- Dau, N., N.V. Tien, N.H. Hong, and T.N. Ngoan. 1991. Farming Systems in the Hilly and Mountainous Regions in Northern Vietnam. In Xuan, V.T. (ed.). Results of Studying on Farming Systems in Vietnam, Cantho, Vietnam. 92-98.
- Dickson, T., P.W. Moody, G.F. Haydon. 1987. Soil tests for predicting soybean phosphorus and potassium requirements. In Sulzberger, E.C., and B.T. McLean (eds.). AVRDC Proceedings. Soybean in Tropical and Subtropical Cropping Systems. AVRDC publication. 309-311.
- Gani, A., A. Tanjung and M.J. Bell. 1991. Lime requirement for peanut, and screening of peanut germplasm for tolerance to acid soils. In Wright, G.C., and K.J. Middleton (eds.). ACIAR proceedings. Peanut Improvement: A Case Study in Indonesia. Canberra, Australia. 40: 64-73.
- George, W.R. 1987. Soil fertility and liming. In Wilcox, J.R. (ed.). Soybeans Improvement, Production and Uses. Madison, Wisconsin, USA. 461-489.
- General Statistical Office. 1992-1993. Statistical Yearbook, Hanoi, S.R. Vietnam. 29-34.
- Hardy, R.W.F; U.D. Havelka and P.G. Heytler. 1980. Nitrogen nutrition. In Corbin, F.T. (ed.). World Soybean Research Conference II. Proceedings. Westview Press Boulder, Colorado. 57-68.

- Haynes, R.J. and R. Naidu. 1991. Effects of lime and additions on the availability of phosphorus and sulfure in some temperate and tropical acid soils. *In* Wright, R.J., V.C. Baligar, R.P. Murrmann (eds.). Proceedings of the Second International Symposium on Plant Soil Interaction at Low pH, 24-29 June 1990, Beckley, West Virginia USA. Kluwer Academic Publishers, London. 215-224.
- Heichen, G.H. 1987. Legumes as a source of nitrogen in conservation tillage systems. *In* Power, J.F. The Role of Legumes in Conservation tillage Systems. America. 29-34.
- Ismunadji, M.; I. Zulkarnaini and S. Somaatmadja. 1987. Nutritional disorders of soybean in Indonesia. *In* Bottema, J.W.T.; F. Dauphin and G. Gijsbers (eds.). CGPRT Proceedings. Soybean Research and Development in Indonesia. CGPRT Center, Indonesia. 167-174.
- Jackson, M.L. 1960. Soil Chemical Analysis. Prentice-Hall, Inc. Englewood Cliffs, N.I. 128-130.
- Lai, T.V. 1994. Country Report 14- Vietnam. *In* Chomchalow, N. and H.V. Henle (eds.). Proceedings of the Regional Expert Consultation on the Asian Soybean Network. FAO. RAPA Publication. Bangkok, Thailand. 145-143.
- Maddox, J.J. and J.M. Soileau. 1991. Effects of phosphate fertilization, lime amendments and inoculation with VA-mycorrhizal fungi on soybeans in an acid soil. *In* Wright, R.J.; V.C. Baligar; R.P. Murrmann (eds.). Proceedings of the Second International Symposium on Plant Soil Interactions at Low pH, 24-29 June, 1990. Beckley, West Virginia, USA. Kluwer Academic Publishers, London. 215-224.
- Mamaril, C.P., D. Estrella and E.E. Lapitan. 1991. Phosphorus-lime interaction in a strongly acid upland soil grown to rice in Cavinti, Philippines. *In* Wright, R.J.,

- V.C. Baligar, R.P. Murrmann (eds.). Proceedings of the Second International Symposium on Plant Soil Interactions at Low pH, 24-29 June, 1990. Beckley, West Virginia, USA. Kluwer Academic Publisher, London. 292-298.
- Marschner, H. 1986. Mineral Nutrition of Higher Plants. Academic Press. London. 391-407.
- McWilliam, J.R and J.L. Dillon. 1987. Food legume crop improvement: Progress and constraints. In Wallis, E.S and D.E. Byth (eds.). ACIAR Proceedings. Food Legume Improvement for Asian Farming Systems. Canberra, Australia. 18:22-31.
- Myers, R.J.K. and I.M. Wood. 1987. Food legumes in the nitrogen cycle of farming systems. In Wallis, E.S.; and D.E. Byth (eds.). ACIAR Proceedings. Food legume Improvement for Asian Farming Systems. Canberra, Australia. 18:46-51.
- Mengel, D.B.; W.Segars and G.W. Rehm. 1987. Soil fertility and liming. In Wilcox, J.R. (ed.). Soybeans: improvement, production and uses. Madison, Wisconsin, USA. 461-488.
- Munns, D.N. 1980. Mineral nutrition and nodulation. In Corbin, F.T. (ed.). World Soybean Research Conference II: Proceedings. Westview Press, Boulder, Colorado. 47-68.
- Na Lampang, A. 1985. Agronomic aspects of grain legume farming. In Persley, G.J. (ed.). ACIAR proceedings. Tropical legume improvement. Canberra, Australia. 8:12-20
- Nelson, A.I., L.S. Wei, and M.P. Steinberg. 1979. Foods from whole soybeans. In Corbin, F.T. (ed.). Proceedings. World Soybean Research Conference II. Westview Press, Boulder, Colorado. 745-766.

- Nelson, D.W. and L.E. Sommers. 1982. Total carbon, organic carbon and organic matter. In Page, A.L. (ed.). *Methods of Soil Analysis*. Madison, Wisconsin USA. 539-577.
- Patanothai, A. 1987. Limitation imposed by management in rainfed farming systems. In Wallis, E.S. and D.E. Byth (eds.). *ACIAR Proceedings. Food Legume Improvement for Asian Farming Systems*. Canberra, Australia. 18:72-81.
- Pirmpoon, K.K. 1983. Diagnosis and correction of nutrient deficiencies of legumes in Northeast, Thailand. In Persley, G.L. (ed.). *ACIAR Proceedings. Tropical Legume Improvement*. Canberra, Australia. 8:56-60.
- Peoples, M.B., A.W. Faizah, B. Rerkasem and D.F. Herridge. 1989. *Methods for Evaluating Nitrogen Fixation by Nodulated Legumes in the Field*. James Ferguson Pty Ltd, Hamilton, Qld. Canberra, Australia.
- Phu, D.T.; Phi, N.H.; Truong, L.; Lieu, N.X. 1977. *Documents on peanuts (in Vietnamese)*. Scientific, technological publishing house, Hanoi. 83-154.
- Poerboyo, R. Hidajet, K. Pirngardi, Suprapto, T. Adisarwanto and M.J.Bell. 1991. The role of macronutrient deficiencies in limiting peanut yields in Java. In Wright, G.C. and K.J. Middleton (eds.). *ACIAR Proceedings. Peanut Improvement, a Case Study in Indonesia*. Canberra, Australia. 40:56-63.
- Rao, P. and M.V. Oppen. 1987. Food legume production in Asia: Past trends and future prospects. In Wallis, E.S. and D.E. Byth (eds.). *ACIAR Proceedings. Food Legume Improvement for Asian Farming Systems*. Canberra, Australia. 18:54-62.
- Rochayati, S., J.S. Adiningshi and M. Sudjadi. 1987. Performance of soybean on acid soils. In Bottema, J.W.T., F. Dauphin and G. Gijsbers (eds.). *Soybean Research and Development in Indonesia*. The CGPRT, Bogor. 10:199-208.

- Russell, E.W. 1973. Soil Condition and Plant Growth. Longman. London. 555-602.
- Sam, D.D. 1994. Shifting Cultivation in Vietnam: Its Social, Economic and Environmental Values Relative to Alternative Land Use. IIED, London. 55p.
- Sanchez, P.A. 1976. Properties and Management of Soils in Tropics. John Wiley and Sons, Inc. 240-250.
- Schwarz, F.H. and J.K. Allwood. 1979. Role of Soy protein products in national development. In Corbin, F.T. (ed.). World Soybean Research Conference II. Proceedings. Westview Press, Boulder, Colorado. 831-838.
- Siem, N.T., T. Phien. 1992. Deterioration risk of the uplands in Vietnam and research priorities for their management. J. Vietnam Soil Science. 3:32-34.
- Singh, R.B. 1993. Unexploited and potential food legumes in the Asia- pacific region. In Chomchalow, N., C.L.L. Gowda, and P.Laosuwan (eds.). Proceedings of the FAO/UNDP Project Ras/89/040 Workshop on Underexploited and Potential Food Legumes in Asia. FAO, Bang kok, Thailand. 19-22. ,
- Sinha, S.K. 1987. Food Legume: Distribution, Adaptability, and Biology of Yield. FAO. Rome, Italy. 37-88.
- Shorter, R., K.J. Middleton, S. Sadikin, M.J. Bell and G.C.Wright. 1991. Identification of disease, agronomic and eco-physiological factors limiting peanut yield. In Wright, G.C and K.J. Middleton (eds.). ACIAR Proceedings. Peanut Improvement, a Case Study in Indonesia. Canberra, Australia. 40:9-18.
- Sunarlim, N. 1987. Response to Rhizobium and N, P, K fertilizers on soybean in the volcanic soils in Garut, West Java. In Bottema, J.W.T., F. Dauphin and G. Gijsbers (eds.). Soybean Research and Development in Indonesia. CGPRT, Bogor, Indonesia. 10:279-285.

- Thompson, L.M. 1957. Soil and Soil Fertility. McGraw-Hill Book Company, Inc. 198-214.
- Tiaranan, N., S. Pimsarn, S. Claimon, and P. Punpruk. 1987. Correction of nutrient deficiencies of legumes in Thailand. In Persley, G.J. (ed.). ACIAR Proceedings. Tropical Legume Improvement. Canberra, Uustralia. 8:54-55.
- Watanabe, I., T. Kohsei and N. Hiroshi. 1986. Response of soybean to supplemental nitrogen after flowering. In Sulzberger, E.W. and B.T. McLean (eds.). AVRDC Proceedings. Soybean in Tropical and Subtropical Cropping Systems. AVRDC Publication. 301-308.
- Whyte, R.O., G. Nilsson-Leissner, and H.C. Trumble. 1969. Legumes in Agriculture. FAO, Italia. 19-102.
- Wijeratne, W.B. and A.I. Nelson. 1987. Utilization of legumes as food. In Wallis, E.S. and D.E. Byth. ACIAR Proceedings. Food Legume Improvement for Asian Farming Systems. Canberra, Australia. 18:183-192.
- Wild, A. and L.H.P. Jones. 1988. Mineral nutrition of crop plants. In Wild, A. (ed.). Russell's Soil Conditions and Plant Growth. John Wiley & Sons, Inc. New York. 69-110.
- Wild, A. 1988. Plant nutrients in soil: Phosphate. In Wild, A. (ed.). Russell's Soil Conditions and Plant Growth. John Wiley & Sons, Inc. New York. 695-742.
- Wood, I.M. and R.J.K. Myers. 1987. Food legumes in farming systems in tropics and subtropics. In Wallis, E.S. and D.E. Byth (eds.). ACIAR Proceedings. Food Legumes Improvement for Asian Farming Systems. Canberra, Australia. 18:34-44.
- Zandstra, H.G.; E.S. Price; J.A. Litsinger and R.A. Morris. 1981. A Methodology for On-farm Cropping System Research. IRRI Philippines. 3-20.