

เอกสารอ้างอิง

กองสำรวจที่ดิน. 2519. แผนที่ดินจังหวัดเชียงใหม่ (Detailed Reconnaissance Soil Map of Chiang Mai Province). ชุดแผนที่ดินจังหวัดฉบับที่ 27. กรมพัฒนาที่ดิน. กระทรวงเกษตรและสหกรณ์.

กองขยายพันธุ์พืช. กรมส่งเสริมการเกษตร. 2524. คำแนะนำการปลูกถั่วเหลือง. ข่าวสารกองขยายพันธุ์พืช. ปีที่ 1 ฉบับที่ 6 เดือน พย-ธค 2524. หน้า 53-56.

เทวา เมาลานนท์. 2531. การวิเคราะห์การเจริญเติบโตและผลผลิตของถั่วเหลืองและถั่วลิสงภายใต้ฤดูปลูกที่แตกต่างกัน. วิทยานิพนธ์ชั้นปริญญาโทวิทยาศาสตร์มหาบัณฑิต. สาขาพืชไร่. คณะเกษตรศาสตร์. มหาวิทยาลัยเชียงใหม่.

มัตติกา พนมธนิจกุล. 2530. ปฐพีฟิสิกส์ (SOIL PHYSICS). ภาควิชาปฐพีศาสตร์และอนุรักษ์ศาสตร์. คณะเกษตรศาสตร์. มหาวิทยาลัยเชียงใหม่.

เมธี เอกยสิทธิ์ และ ไพบูลย์ ชลารักษ์. 2520. การใช้น้ำของถั่วเหลือง สจ.2. ในรายงานการประชุมเรื่องถั่วเหลือง ณ คณะเกษตรศาสตร์ มหาวิทยาลัยเชียงใหม่. วันที่ 6-11 กุมภาพันธ์ 2520. สมาคมวิทยาศาสตร์การเกษตรแห่งประเทศไทย. หน้า 79-84.

เขาวลัคน์ สุทธินัน และสมศักดิ์ ศรีสมบุญ. 2526. สรุปผลงานวิจัยการปรับปรุงเขตกรรมถั่วเหลือง. ใน รายงานการสัมมนาเชิงปฏิบัติการ เรื่องงานวิจัยถั่วเหลือง ครั้งที่ 1 ณ สำนักงานเกษตรและสหกรณ์ภาคเหนือ จ.เชียงใหม่ วันที่ 17-18 พฤศจิกายน 2526. หน้า 113-125.

สุรีย์ สอนสมบูรณ์. 2527. การเพิ่มประสิทธิภาพการใช้น้ำของถั่วเหลือง. วารสารชลประทาน ปีที่ 16 ฉบับที่ 1 มกราคม-เมษายน 2527. หน้า 16-22.

Arkin, G.f., R.L. Vanderlip, and J.T. Ritchie. 1976. A dynamic grain sorghum growth model. Trans. ASAE. 19:622-626,630.

Boote, K.J., R.N. Gallaher, W.K. Robertson, K.Hinson, and L.C. Hammond. 1978. Effect of foliar fertilization on photosynthesis, leaf nutrition, and yield of soybean. Agron. J. 70:787-791.

Boote, K.J., J.W. Jones, J.W. Mishoe, and R.D. Berger. 1983. Coupling pests to crop growth simulators to predict yield reductions. Phytopathology. 73:1581-1587.

Boote, K.J., J.W. Jones, J.W. Mishoe, and G.G. Wilkerson. 1985. Modeling growth and yield of groundnut. pp.234-254. In ICRISAT (International Crops Research Institute for the Semi-Arid Tropics). Agrometeorology of Groundnut. Proceedings of an International Symposium, 21-26 August 1985. Pataneheru, Andrapradesh, India.

Boote, K.J., J.W. Jones, and J.M. Bennett. 1985. Factors influencing crop canopy CO₂ assimilation of soybean. pp.780-788. In R. Shibles. World Soybean Research Conference III: Proceedings. Westview Press/Boulder and London.

Boote, K.J., J.W. Jones, G. Hoogenboom, and G.G. Wilkerson. 1987. Pnutgro V1.0: Peanut Crop Growth and Yield Model. IBSNAT Version. Technical Documentation. Agr. Engr. and Agron. Dept., Univ. of Florida, Gainesville, Florida. U.S.A.

Charles-Edwards, D.A. 1981. The Mathematics of Photosynthesis and Growth. Academic Press. New York.

de Wit, C.T. 1982. Simulation of living system. pp.3-7. In F.W.T. Penning de Vries and H.H. van Laar (eds.) Simulation of Plant Growth and Crop Production. Wageningen, Netherlands.: PUDOC (Centre of Agriculture Publishing and Documentation).

Eberlein, R.L. 1989. Simplification and understanding of models. System Dynamics Review. 5(1):51-68.

Elwell, D.L., R.B. Curry, and M.E. Keener. 1987. Determination of potential yield-limiting factors of soybeans using SOYMOD/OARDC. Agri. Systems. 24:221-242.

Fehr, W.R., C.E. Caviness, D.T. Burmood, and J.S. Pennington. 1971. Stage of development descriptions of soybean, Glycine max (L.) Merrill. Crop Sci. 11:929-931.

Ferrari, Th. J. 1982. Introduction to dynamic simulation. pp.35-49. In F.W.T. Penning de Vries and H.H. Van Larr (Eds.) Simulation of Plant Growth and Crop Production. Wageningen, Netherlands: PUDOC (Centre of Agricultural Publishing and Documentation).

Forrester, J.W. 1971. Principles of Systems. Wright-Allen Press, Cambridge, Massachusetts.

Godwin, D.C., C.A. Jones, J.T. Ritchie, P.L.G. Vlek, and L.G. Youngdahl. 1984. The water and nitrogen components of the CERES models. pp.95-100. In ICRISAT (International Crops Research Institute for the Semi-Arid Tropics). Proc. International. Symp. on Minimum Data Sets for Agrotechnology Transfer. March 21-26, 1983. Patancheru, India:ICRISAT Center.

Gutierrez, A.P., M.A. Pizzamiglio, W.J. Dos Santos, R. Tennyson, and A.M. Villacarta. 1984. A general distributed delay time varying life table plant population model: Cotton growth and development as an example. Ecological Modeling. 26:231-249.

Gymantasiri, P. 1986. Genetic Improvement of Crop to Stress Environments: Soybean. Multiple Cropping Centre. Chiang Mai Univ., Thailand.

Herrea-Reyes, C.G. and F.W.T. Penning de Vries. 1990. Computer simulation of the potential production of rice. pp.11-12. In The International Rice Research Institute (IRRI) (ed.). International Rice Research Newsletter. 15:2 (April 1990).

Hesketh, J.D., D.N. Baker, and W.G. Duncan. 1971. Simulation of growth and yield in cotton: Respiration and the carbon balance. Crop Sci. 11:394-398.

Hiler, E.A. and T.A. Howell. 1983. Irrigation options to avoid critical stress: An overview. pp.479-489. In H.M. Taylor, W.R. Jordan and T.R. Sinclair (eds.). Limitations of Efficient Water Use in Crop Production. Am. Soc. Agron., Wisconsin.

Hodges, T. and Vikki French. 1985. SOYPHEN: Soybean growth stages modeled from temperature, daylength, and water availability. Agron. J. 77:500-505.

Huda, A.S.K., M.V.K. Sivakumar, Y.V. Sri Rama, J.G. Sekaran, and S.M. Virmani. 1987. Observed and simulated responses of two sorghum cultivars to different water regimes. Field Crops Res. 16:323-335.

Huda, A.K.S. 1987. Simulating yields of sorghum and pearl millet in the semi-arid tropics. Field Crops Res. 15:309-325.

Hunt, L.A. 1985. Genetics Coefficients and Crop Growth Models. Dept. of Crop Sci., Univ. of Guelph, Guelph, Ontario, Canada.

Hunt, L.A. 1988. IBSNAT's genetic coefficients: Coping with germplasm diversity. Agrotech. Trans. 7:1-5.

Ingram, K.T., D.C. Herzog, K.J. Boote, J.W. Jones, and C.S. Barfield. 1981. Effects of defoliating pests on soybean canopy CO₂ exchange and reproductive growth. Crop Sci. 21:961-968.

International Benchmark Sites Network for Agrotechnology Transfer Project. 1986. Experimental Design and Data Collection Procedures for IBSNAT. The Minimum Data Set for Systems Analysis and Crop Simulation. Forms to Technical Report 1, Second Edition. Dept. of Agron. and Soil Sci., College of Trop. Agri. and Human Resources, Univ. Hawaii. U.S.A.

International Benchmark Sites Network for Agrotechnology Transfer Project. 1986. Decision Support System for Agrotechnology Transfer (DSSAT). Level 1: User's Guide for the Minimum Data Set Entry. Version 1.1. IBSNAT Technical Report 1. Dept. of Agron. and Soil Sci., College of Trop. Agri. and Human Resources, Univ. Hawaii. U.S.A.

International Benchmark Sites Network for Agrotechnology Transfer Project. (IBSNAT) 1987. IBSNAT PROGRESS REPORT. 1 September 1982 to 31 July 1985. Dept. of Agron. and Soil Sci., College of Trop. Agri. and Human Resources, Univ. Hawaii at Manoa, Honolulu, Hawaii. U.S.A.

International Benchmark Sites Network for Agrotechnology Transfer Project. 1988. Experimental Design and Data Collection Procedures for IBSNAT. The Minimum Data Set for Systems Analysis and Crop Simulation. Forms to Technical Report 1, Third Edition. Dept. of Agron. and Soil Sci., College of Trop. Agr. and Human Resources, Univ. Hawaii. U.S.A.

International Benchmark Sites Network for Agrotechnology Transfer Project. 1988. Decision Support System for Agrotechnology Transfer (DSSAT). Level 1: User's Guide for the Minimum Data Set Entry. Version 1.1. IBSNAT Technical Report 1. Third Edition. Dept. of Agron. and Soil Sci., College of Trop. Agr. and Human Resources, Univ. Hawaii. U.S.A.

Jones, C.A., J.T. Ritchie, J.R. Kiniry, D.C. Godwin, and S.L. Otter. 1984. The Ceres wheat and maize models. pp.95-100. In ICRISAT (International Crops Research Institute for the Semi-Arid Tropics). Proc. Internatl. Symp. on Minimum Data Sets for Agrotechnology Transfer. March 21-26, 1983. Patancheru, India: ICRISAT Center.

Jones, J.W., K.J. Boote, and J.W. Mishoe. 1985. Soybean crop modeling for production system analysis. pp.1066-1073. In R. Shibles. World Soybean Research Conference III: Proceedings. Westview Press/Boulder and London.

Jones, C.A. and J.R. Kiniry. (eds.) 1986. CERES-Maize: A Simulation Model of Maize Growth and Development. Texas A&M University Press, College Station, Texas, U.S.A.

Jones, J.W., and A.G. Smajstrla. 1980. Application of modeling to irrigation management of soybean. pp.571-599. In F.T. Corbin (ed.). World Soybean Research Conference II: Proceedings. Westview Press., Boulder, Colorado 80301.

Jones, J.W., K.J. Boote, and J.W. Mishoe. 1985. Soybean crop modeling for production system analysis. pp.1066-1073. In Richard Shibles (ed.). World Soybean Research Conference III: Proceeding. Westview Press, Boulder, Colorado 80301.

Jones, J.W.. 1986. Decision support system for agrotechnology transfer. Agrotech. Trans. 2:1-5.

Jones, J.W., K.J. Boote, S.S. Jagtap, G. Hoogenboom, and G.G. Wilkerson. 1988. SOYGRO V5.41: Soybean Crop Growth Simulation Model: User's guide. Agri. Engr. Dept. and Agron. Dept., Univ. Florida, Gainesville, Florida. U.S.A.

Kanemasu, E.T. 1979. Irrigation water requirements and water stress. pp.82-85. In W.H. Judy and J.A. Jackobs(eds.) Irrigated Soybean Production in Arid and Semi-arid Regions. Proceedings of a Conference, 31 August - 6 September 1979, Cairo, Egypt.

Major, D.J., D.R. Johnson, and V.D. Luedders. 1975. Evaluation of eleven thermal unit methods for predicting soybean development. Crop Sci. 15:172-174.

Major, D.J., D.R. Johnson, J.W. Tanner, and I.C. Anderson. 1975. Effects of daylength and temperature on soybean development. Crop Sci. 15:174-179.

McCree, K.J. 1974. Equations for the rate of dark respiration of white clover and grain sorghum, as functions of dry weight, photosynthetic rate, and temperature. *Crop Sci.* 14: 509-514.

McCree, K.J. and C.J. Fernandez. 1989. Simulation model for studying physiological water stress responses of whole plants. *Crop Sci.* 29:353-360.

Mishoe, J.W., J.W. Jones, D.P. Swaney, and G.G. Wilkerson. 1984. Using crop and pest models for management applications. *Agri. Systems.* 15:153-170.

Monteith, J.L. 1973. *Principles of environmental Physics.* Edward Arnold (Publishers) Limited. London.

Penning de Vries, F.W.T. 1982. System analysis and models of crop growth. pp.9-19. In F.W.T. Penning de Vries and H.H. van Laar (eds.) *Simulation of Plant Growth and Crop Production.* Wageningen, Netherlands: PUDOC (Centre of Agriculture Publishing and Documentation).

Penning de Vries, F.W.T. and N.C. van Keulen. 1986. In *Simulation of Growth of Annual Crops. Training Course. "Implementation of systems analysis and simulation for rice production"* Spring 1986, Wageningen, Netherlands.

- Priestley, L.H.G., and R.J. Taylor. 1972. On the assessment of surface heat flux and evaporation using large scale parameters. *Monthly Weather Review*. 100:81-92.
- Ritchie, J.T. 1972. Model for predicting evaporation from a row crop with incomplete cover. *Water Resour. Res.* 8:1204-1213.
- Ritchie, J.T. 1981. Soil water availability. *Plant and Soil*. 58: 327-338.
- Ritchie, J.T., and S. Otter. 1984. CERES-Wheat: A user-oriented wheat yield model. Preliminary documentation. U.S.A.
- Ritchie, J.T. 1985. A user-oriented model of soil water balance in wheat. pp.292-305. In W. Day and R.K. Atkin (eds.) *Wheat Growth and Modelling*. Plenum Publishing Corp. Texas, U.S.A.
- Ritchie, J.T. 1986. The CERES-Maize model. pp.1-6. In C.A. Jones and J.R. Kiniry (eds.) *CERES-MIAZE : A Simulation Model of Maize Growth and Development*. Texas A&M University press, College Station. U.S.A.
- Ritchie, J.T., J.R. Kiniry, C.A. Jones, and P.T. Dyke. 1986. Model inputs. pp.38-46. In C.A. Jones and J.R. Kiniry (eds.) *CERES-MAIZE : A Simulation Model of Maize Growth and Development*. Texas A&M University Press, College Station. U.S.A.

Ritchie, J.T., E.C. Alocilja, U. Singh, and G. Uehara. 1986. IBSNAT/CERES rice model. *Agrotech. Trans.* 3:1-5.

Ritchie, J.T. 1986. Using computerized crop models for management decisions. pp.27-41. In Proceedings of the International DLG-Congress for Computer Technology. May 1986. Hannover, Feb. Rep. of Germany.

Ritchie, J.T. 1986. Using simulation models for predicting crop performance. Symposium on the Role of Soils in Systems Analysis for Agrotechnology Transfer. August 1986. ISSS Congress. Hamburg, FRG.

Sadasivam, R., S. Mohandass, and A. Arjunan. 1989. Simulation of yield potential in rice cultivars. pp. 27. In The International Rice Research Institute (IRRI) (ed.). International Rice Research Newsletter. 14:4 (August 1989).

Swaney, D.P., J.W. Jones, W.G. Boggess, G.G. Wilkerson, and J.W. Mishoe. 1983. Real-time irrigation decision analysis using simulation. *Trans. ASAE.* 26:562-568.

Taylor, H.M. and B. Klepper. 1975. Water uptake by cotton root systems: An examination of assumptions in the single root model. *Soil Sci.* 120:57-67.

USDA, Soil Conservation Service. 1972. National Engineering Handbook. Hydrology Section 4. Chapters 4-10.

Wilkerson, G.G., J.W. Jones, K.J. Boote, K.T. Ingram, and J.W. Mishoe. 1983. Modeling soybean growth for crop management. Trans. ASAE. 26:63-73.

Wilkerson, G.G., J.W. Jones, K.J. Boote, and J.W. Mishoe. 1985. SOYGRO V5.0: Soybean Crop Growth and Yield Model. Unpublished document. Agr. Engr. Dept., Univ. of Florida, Gainesville, Fl. U.S.A.



ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่
Copyright© by Chiang Mai University
All rights reserved