
REFERENCES

- Abd El-Hak, T.M. (1964): Identification of physiologic races of wheat varieties to different rust races. Annual Report. to F.A.O. for the period from April 1963 to April 1964.
- Abd El-Hak, T.M. and Kamel, A.H. (1973): Identification of physiologic races of wheat rust in the near eastern countries and reaction of wheat varieties to rust isolates. Annual Report to F.A.O. for the period from 1965-1960.
- Abd El-Hak, T.M.; Bassiouni, A.A.; El-Hyatamy, Y.Y. and Shafik, Ikhlas. (1987): Evaluation of fungicides for the control of yellow stripe rust of wheat. Egypt. J. Phytopathology, 19(1-2): 85-96.
- Abd El-Hak, T.M.; El-Sherif, Nabila; Bassiouni, A.A.; Shafik, Ikhlas and El-Daoudi, Y.H., (1980): Control of wheat leaf rust by systemic fungicides. Agriculture Research Review 58(2): 115-127.
- Abd El-Hak, T.M.; Shafik, Ikhlas; Ageez, A.A.; Couda, A.; Youssef, G.S. and El-Sayed, A.A. (1983): Stem and leaf rust races and resistance genes. The 2nd General Conf. of ARC, Giza; April 9-11 (Abstract).
- Abu El-Naga, S.A. (1986): Physiological studies on wheat rusts axenic cultures. Ph.D. Thesis, Fac. Agric., Tanta Univ., 89 pp.
- Abu El-Naga, S.A.; Khalifa, M.M.; Youssef, W.A. and Abd El-Latif, H.A. (1998): Stripe rust situation during the period (1994-1996) with special reference to designating genes conferring resistance in certain Egyptian wheat germplasm. J. Agric. Sci. Mansoura Univ., 23: 1127-1136.
- Abu El-Naga, S.A.; Khalifa M.M.; Youssef, W.A.; Imbaby, I.A.; El-Shamy, M.M.; Amer, E. and Shehab El-Din, T.M. (1997): Effect of stripe rust infection on grain yield in certain wheat cultivars and the economic threshold of chemical control application in Egypt during 1996/1997 growing season. National Annual Coordination Meeting, NVRSRP/Egypt Sept. 11-15,; 81-90.
- Allam, A.I. and Holis, J.P. (1972): Sulphide inhibition of oxidase in rice root. Phytopathology 62: 634-639.

- Anonymous (1998):** Nile Valley and Red Sea Regional Program, Phase II, Wheat - Egypt. Annual Coordination Meeting 6-11 September, 1998. Agric. Res. Cent. Field Crops Res. Inst., Giza, Egypt.
- Bajwa, M.A.; Aqil, K.A. and Khan, N.I. (1986):** Effect of leaf rust on yield and kernel weight of spring wheat. *Rachis*, 5(1): 25-28.
- Barros, B.C.; Salgado, C.L.; Ferreiro Filho, A.W.P. (1984):** Effectiveness of fungicides in the control of leaf diseases of wheat. *Summa. Phytopathologic*, 10: 180-188 (c.f. Wheat, Barley and Triticale Abstract. 1985, Vol. 2).
- Bartos, P.; Stuchlikova, A. and Hanusova, R. (1989):** Discrimination of wheat cultivars after their rust reaction *sbornik UVT₁₂, Genetika Selchteni*. 25: 239-244.
- Bekesi, P. (1984):** Effect of propiconazol on stem rust *P. graminis* infection in winter wheat. *Noventermetes* 33: 41-47. (c.f. Wheat, Barley and Triticale Abstracts, June 1985, Vol. 2).
- Bowen, K.L.; Everts, K.L. and Leath-Source (1991):** Reduction in yield of winter wheat in North Carolina due to powdery mildew and leaf rust. *Phytopathology* 1991, 5, 503-511.
- Broers, L.H.M. and Wallenburg, S.C. (1989):** Influence of post-infection temperature on three components of partial resistance in wheat to wheat leaf rust. *Euphytica*. 1989, 44: 215-224.
- Browder, L.E. (1973):** Probable genotype of some *Triticum aestivum* agent derivatives for reaction to *Puccinia recondita* f.sp. *tritici*. *Crop. Science*, Vol. 13: 203-206.
- Browder, L.E. and Eversmeyer, M.G. (1987):** Influence of temperature on development of *Puccinia recondita* with *Triticum aestivum* SUWON 858. *Phytopathology* 77: 423-425.
- Busch, R.; McVey, D. Wiersna, J. Warnes, D.; Wilcoxson R. and Youngs, V. (1990):** Registration of "Minnpro" Wheat. *Groups. Sci.*, 30: 748-749.
- Calpouszos, L.; Roelfs A.P.; Madison, M.E.; Martin, F.B.; Welsh, J.R. and Wilcoxson, R.D. (1976):** A new model to measure yield losses caused by stem rust in spring wheat. *Minn. Agric. Exp. Sta. Tech. Bull.* 307-1-23.

- Casulli, F.; Siniscalco, A.; Tommasi, F. and Paradies, M. (1982): Physiologic races of *Puccinia recondita* Rob. ex., Desm. f.sp. *tritici* Erikss. Hen. Identified in 1979, 1980 and 1981 in various Italian Localities. *Phytopathologia Mediterranea* 21: 66-74. (c.f. Wheat, Barley, and Triticale Abstracts, April 1984, Vol. 1 No. 2).
- Chaudhry, M.H. and Arshadkhan, M. (1989): Control of leaf rust of wheat with seed treatment fungicides. *Rachis* 8(2): 11-13.
- Chen, X.M. and Line, R.F. (1995): Gene action in wheat cultivars for durable, high-temperature adult-plant resistance and interaction. With race-specific, seedling resistance to *Puccinia striiformis* *Phytopathology* 85: 567-572.
- Dehne, D. and Heitefuss, R. (1982): Quantitative aspects of summer wheat to yellow rust *Puccinia striiformis* observation of disease development and determination of yield loss in the field. *Phytopathologische-Zeitschrift*, 103: 239-260.
- Doling, D.A. and J.K. Doodson (1968): The effect of yellow rust on yield of spring and winter wheat. *Trans. Br. Mycol. Soc.* 5: 427-434.
- Drijepondt, S.C.; Pretorius, Z.A.; Vanill, D.; Rijkenbberg, F.H.J. and Dvanlill, (1990): Effect of Lr₃₄ resistance on leaf rust development, grain yield and baking quality in wheat. *Plant. Breeding* 105(1): 62-68.
- El-Banna, M.A. (1999): Chemical technological studies on some rice varieties. M.Sc. Thesis, Fac. Agric., Tanta Univ.
- El-Daoudi, Y.H.; Abd El-Hamid, Nawal and el-Sherif, Nabila (1984): Effect of leaf rust infection on yield and seed quality of two wheat varieties. *Agricultural Research Review* Vol. 62, No. 2.
- El-Daoudi, Y.H.; Shafik Ikhlas; Bassiouni, A.A.; Sherif, S. and Khalifa, M.M. (1987): Genes condition resistance to wheat leaf rust and stem rusts in Egypt. *Proc.. 5th Congr. Egypt. Phytopathol. Soc., Giza. Part 2*: 387-404.
- El-Daoudi, Y.H.; Shafik Ikhlas; Ghanem Enayat; Abu El-Naga S.; Elitkees, R.; Sherif, S.; Khalifa, M. and Bassiouni, A.A. (1996): Stripe rust occurrence in Egypt and assessment of grain yield losses in 1995. *Proceedings*

- d'symposium Regional sur les Maladies des Cereales et de Legumineuses Alimentaires. Ra, Morroc. 11-14, pp. 341-351.
- El-Naimi, M. and Mamluk, O.F. (1994): Occurrence and virulence of wheat rusts in Syria. 5th Arab Cong. Plant Protect. Nov. 27th-2nd Dec. Morocco (Abstract).
- El-Sherif, Nabila A. and Kamel, A.H. (1977): Studies on morphological resistance of some wheat varieties to stem rust. 1st Arb Biol. Congr. Alex. 25-30 Oct., 1977.
- El-Sherif, Nabila; Shafik, Ikhlas; Mahmoud, A.A.; Shawky, A.S.N. and Negm, S.S. (1983): Studies on wheat leaf rust virulence and resistance genes in Egypt during 1979-1981. 5th Conf. Microbial III: 43-54, Cairo. May, 1983.
- El-Torabi, M.I.; Mardoukhi, K. Nazari, F.; Ashari, A.R.; Forootan, M.A.; Ramai, H.C. and Kashani, A.S. (1995): Effectiveness of wheat yellow rust resistance genes in different parts of Iran, Cereal Rusts and Powdery mildew, Bulletin, 23(1): 9-12.
- Eversmeyer, M.G.; Kramer, C.L. and Browder, L.E. (1980): Effect of temperature and host. Parasite combination on the latent period of *Puccinia recondita* in seedling wheat. Plant. Pathology 70: 938-941.
- Farkas, G.L. and Kiraly, Z. (1962): Role of phenolic compounds in the physiology of plant disease and disease resistance. Phytopathology J. 44: 105-150.
- Fazel, H. (1996): Wheat rust activities and wheat yield losses due to stripe rust in Turkey. Proc. of Wheat Rust in Centerall and West Asian Countries. Workshop. Karaj, Iran, May, 19-21.
- Green, G.J. (1976): Stem rust of wheat, barley and rye in Canada in 1976. Can. Plant. Disosurv., 56: 119-122.
- Hang, N.A.; Singh, R.P. and Ma, H. (1996): Contribution of adult plant resistance gene yr18 in protecting wheat from yellow rust. Plant Disease, 88: 66-69.
- Hart, Helen, (1931): Morphologic and physiologic studies on stem rust resistance in cereals. USDA. Tech. Bull. 255, 76 p.

- Hursh, D.R., (1924): Morphologic and physiologic studies on the resistance of wheat to *Puccinia graminis tritici* Erik and Henn. J. Agric. Res., 27: 381-416.
- Imbaby, J.A.; Flagab, M.M.; Abdou, Y.A. and El-Daoudi, Y.H. (1995): Wheat leaf rust resistance genes. Egypt J. Phytopathology, 23: 21-27.
- Jasvir-Singh; Dhiman, J.S.; Seekri, M.S.; and Singh, J. (1989): Effect of temperature on latent period, infectious period and basic infection rate of *Puccinia recondita* Robex. Desm. Causing Brown Rust of Wheat. Journal of Research, Punjab Agric. Univ. 1989, 26: 101-107 (C.F.).
- Johansen, D.A. (1940): Plant Microtechnique. McGraw Hill Book Co., New York, 523. Journal of Research, Punjab. Agric. Univ., 1989, 26: 101-107 (C.F.)
- Johnston, C.D. (1961): Sixth revision of the international reregister of physiologic races of the leaf rust of wheat (*Puccinia rubigo, Vera tritici*. U.S. Dept. Agric. A.R.S. 27-34.
- Kalpana, K. and Shaner, G. (1989): Effect of temperature on adult-plant resistance to leaf rust in wheat. Phytopathology 79: 391-394.
- Khan, M.; Trevathan, L. and Robbins, J. (1997): Quantitative relationship between leaf rust and wheat yield in Mississippi. Plant Diseases. 81: 769-772.
- King, J.E. (1976): Relationship between yield loss and severity of yellow rust recorded on a large number of single stems of winter wheat. Plant-Pathology. 25: 172-177.
- Kolmer, J.A. (1996): Physiologic specialization of *Puccinia recondita* F.sp. *Tritici* in Canada in 1994. Can. J. Plant Pathology. 18: 300-302.
- Kolmer, J.A. and Liu J.Q. (1997): Physiologic specialization of *Puccinia recondita* in Canada in 1995. Can. J. Plant Pathology. 19: 166-170.
- Locke, J.A.C. (1990): Activity of certain oils against foliar fungi pathogens. Phytopathology, Vol 2. & No. 10.
- Long, D.L.; Schafer, J.F.; Roelfs, A.P. and Roberts, J.J. (1988): Virulence of *Puccinia recondita* in United States. Plant Disease, 72: 22-21.

- Long, D.L.; Schafer, J.F.; Roelfs, A.P. and Roberts, J.J. (1989):** Virulence of *Puccinia recondita* United States. Plant Disease, 73: 294-297.
- Lyles, W.F.; Futrell, N.C. and Atkine, I.M. (1959):** Relation between reaction to race. 15B of stem rust and reduction sugars and sucrose in wheat. Phytopathology 49: 254-256.
- Ma, H and Singh, R.P. (1996):** Contribution of adult plant resistance gene *yr18* in protecting wheat from yellow rust. Plant Disease 80: 66-69.
- Manninger, S. (1991):** Studies on the physiological specialization of Hungarian wheat rusts between 1955 and 1989.
- Matta, A. and Diamond, A.E. (1963):** Symptoms of fusarium wilt in relation to quantity of fungus and enzyme activity in tomato stems. Phytopathology, 53: 574-575.
- Maxwell, D.P. and Bateman, D.F., (1967):** Changes in the activities of some oxidase in extracts of *Rhizoctonia*-infected bean hypocotyls in relation to lesion maturation. Phytopathology 57: 132-136.
- McGrath, M.T.; Pennypacker, S.P. (1991):** Reduction in the rate and duration of grain growth in wheat due to stem rust and leaf rust. Phytopathology. 7, 778-787.
- McVey, D.V. (1989):** Verification of infection type data for identification of genes for resistance to leaf rust in some hard red spring wheat. Crop Science 29: 304-306.
- Meenakumari, K.V.S.; Singh, D.V. Srivastava, K.D. (1992):** Estimation of yield losses in wheat cultivars to leaf rust at different stages under artificial inoculation. Indian Phytopathology, 45(2): 266-268.
- Meenakumari, K.V.S.; Singh, D.V.; Srivastava, K.D. (1994):** Relative tolerance of wheat cultivars to leaf rust and components responsible for yield losses Indian-Phytopathology 1994. 1: 49-55.
- Milus-Easurca. (1994):** Effects of leaf rust and septoria leaf blotch on yield and test weight of wheat in Arkansas. Plant-Diseases. 1: 55-59.

- Modawi, R.S.; Browder, L.D. and Heyne, E.G. (1985):** Use for low reaction to *Puccinia recondita* in several winter wheat cultivars. *Crop Science*: 25: 9-12.
- Moya, F. and Hugo, A. (1990):** Effect of three fungicides, [propiconazol, terbuconazole, triadimenol on. The control of *Puccinia recondita* in hard wheat, *Triticum turgidum* var durum]. Santiago Chile, 45 p.
- Murray, G.M., Ellison, P.J.; Watson, A. and Cullis. B.R. (1994):** The relationship between wheat yield and strip rust as affected by length of epidemic and temperature at the grain development stage of crop growth. *Plant-Pathology*. 43: 397-405.
- Nageib, M.A. (1973):** Studies on the resistance of single gene lines and some local wheat varieties to stem rust races 11 and 34. M.Sc. Thesis, Fac. Agric., Cairo Univ., 102 pp.
- Nageib, M.A.A. (1979):** Studies on the general/horizontal resistance of wheat varieties to leaf rust fungus. Ph.D. Thesis, Cairo Univ.
- Narasimham, J.V. and Chawla, S.H. (1989):** Wheat information service. Department of Plant Breeding. GB Plant University Pantagar 263145 India. (c.f. Review of Plant Pathology, 1991, Vol. 70, No. 4, 1949).
- Nayar, S.K.; Nagrajan and Bahadur, P. (1989):** Two new virulence of races 12 of *Puccinia recondita* F. sp. *Tritici* in India.
- Nazim, M. (1976):** Studies on the nature of resistance of wheat leaf rust. Ph.D. Thesis, Cairo Univ.
- Nazim, M.; Abdou, Y.; El-Shehidi, A.; El-Daoudi, Y.H.; El-Rays (1984):** Estimation of loss in grain yield of two wheat varieties caused by leaf rust using single tillers. *Minufiya-Journal of Agricultural-Research*. 8: 53-65.
- Nazim, M.; El-Daoud, A.A.; El-Basyouni, S.Z. and Abd El-Hak, T.M. (1976):** The relative effectiveness of wheat leaf rust resistance genes in seedling and adult stage. *Proc. 2nd Egypt. Phytopathology Conf., Egypt*, 627-641.
- Pal, B.P. and Hassannain, S.Z. (1946):** A study of the relation of certain morphological and function characters to stem

-
- rust resistance of wheat varieties. *Indian J. Agric. Sci.*, 16: 459-468.
- Pancaldi, D. and Alberti, I. (1994):** Activity and persistence of I.B.S. fungicides against brown rust of wheat. *Informatore. Fitopatologico*. 44: 48-53.
- Pandy, H.N.; Menon, T.C.M. and Tao, M.V., (1989):** A simple formula for calculating area under disease progress curve. *Rachis*, 8: 38-39.
- Peterson, R.F.; Campbell, A.B. and Hamah, A.E. (1948):** Adigrammatic scal for estimating rust intensity on leaves and stems of cereals. *Can. J. Res.* 60: 496-500.
- Popova, E.V. and Nesterenko, S.A. (1980):** The effect of Bayleton on chemical composition and technological qualities of wheat grain. *Byulleten Vsesoyuznogo Nauchno-Issledovatel Shogo Instituta Zashchity Rastenii*. 48: 52-58. (c.f. Wheat, Barley and Tritical Abstracts, 1985, Vol. 2, No. 2).
- Prasada, R. (1964):** Host-Parasite relationships in rust. *Phytopathology*, 54: 57-72.
- Pretorius, Z.A.; and Kemp, G.H.J. (1988):** Effect of adult-plant resistance on leaf rust development and grain yield in wheat. *Phytophylactica* 1988, 20: 341-343.
- Pretorius, Z.A. and Kemp, G.H.J. (1990):** Effects of growth stage and temperature on components of resistance to leaf rust in wheat genotypes with *Lr₂₈*. *Plant Dis.* 74: 631-635.
- Ragab, M.M.; Mona, M.; Ragab; Ikhlas Shafik; and Imbaby, I.A. (1989):** Components of slow rusting in wheat infected with stem rust. *Egypt. J. Phytopathology* Vol. 21, 157-166.
- Ragab, M.M.; Nazim, M.; Attia M.F. and El-Daoudi, Y.H. (1979):** Anatomical glum structure and course of infection of wheat stripe rust. 3rd Egypt. Phytopath. Congr. Vol. 3: 854-872.
- Rakotondradana, R. and Line, R.F. (1984):** Control of stripe rust and leaf rust of wheat with seed treatments and effects of treatments on the host. *Plant Disease* 68: 112-117.
-

- Rao, K.V.S.; Berggren, G.T. and Snow, J.P. (1990): Characterization of wheat leaf rust epidemics in Louisiana. *Phytopathology*. 4, 402-410.
- Rao, K.V.S.; Snow, J.P.; Berggren, G.T. and Rao (1989a): Effect of growth stage and initial inoculum level on leaf rust development and yield loss caused by *Puccinia recondita* F.sp. *tritici* *Journal-of-Phytopathology* 3: 200-210.
- Rao, K.V.S.; Yang, X.B.; Berggren, G.T. and Snow, J.P. (1989b): A multiple regression model to estimate the contributions of leaves and the effects of leaf rust on yield of winter wheat. *Phytopathology*. 79: 1233-1238.
- Rewal, H.S. and Jhooty, J.S. (1985): Differential response of wheat varieties to systemic fungitoxics applied to *Ustilago tritici* (Pers.). *Rost. Indian Journal of Agricultural Sciences*, 55(8): 548-549.
- Roberts, J.J.; Hendricks, L.T. and Patterson F.L. (1984): Tolerance of leaf rust in susceptible wheat cultivars. *Phytopathology* 74: 349-351.
- Revesti, L.; Marco, S.D.I. Pancal and Di, D. (1992): Effect of neem kernel extract on some phytopathogenic fungi under green-house conditions C.L.. *Review of Plant Pathology* 1992 Vol. 71 No. 12.
- Saari, E.E. and Prescottt, J.M. (1985): World distribution in relation to economic losses in A.P. Roelfs and W.R. Bushnell, eds. *The Cereal Rusts*, Vol., II, p. 259-298.
- Sabet, T.M.; Shafik, Ikhlas; El-Daudi, Y.H. and Bassiouni, A.A. (1987): Efficiency of genes for specific resistance in controlling wheat leaf rust in Egypt. *Bull. Fac. of Agric., Univ. of Cairo*, 38(2): 311-322.
- Sadasivam, S. and Manickam, A. (1991): *Biochemical Methods for Agricultural Sciences*. Wiley Eastern Limited, New York, Calcutta, Madras.
- Sallam, Minas, E. (1997): *Studies on leaf rust of wheat in Egypt*. Ph.D. Thesis, Fac. Agric., Zagazig Univ.
- Sally, B.K. and Sharp, E.L., (1988): Selection and evaluation of three spring wheats with slow rusting resistance to *Puccinia graminis* F. sp. *tritici*. *Plant Disease*, 72: 413-415.

- Samborski, D.J. (1974):** Leaf rust of wheat in Canada in 1973. Can. Plant Dis. Survey, 54: 8-10.
- Schmid, J.E.; Winzeler M. and Winzeler, H. (1994):** Analysis of disease resistance and quality characters of F₁ hybrids of crosses between wheat (*Triticum*) sp. Eu Phytica 75: 105-110.
- Seck, M. and Roelfs, A.P. (1988):** Effect of leaf rust *Puccinia recondita* *Tritici* on yield of four isogenic wheat lines. Crop Protection 1: 93-42.
- SeEVERS, P.M. and Daly, J.M., (1970):** Studies on wheat stem rust resistance controlled at the Sr 26 Locus. Phytopathology, 60: 1322-1328.
- Shafik, Ikhlas; El-Daoudi, Y.; Sherif, S.; Bassiouni, A.A.; Abue naga, S. and Khalifa M.O. (1992):** Chemical control of wheat leaf rust in Egypt. Egypt. J. Phytopathology Vol. 21, 135-143.
- Sharma, Y. Kiang, M. and Aujla, S. (1985):** Influence of yellow rust on yield and its components in wheat Journal of Research, Punjab. Agricultural-University., 22: 425-430.
- Snedecor, G.W. and Cochran W.G., (1967):** Statistical methods. Oxford and J.B.H. Publishing Co. 6th edition.
- Southerton, S.G. and Deverall, B.J. (1990):** Changes in phenylalanine ammonia-lyase and peroxides activity in wheat cultivars expressing resistance to leaf-rust fungus. Plant Pathol. 39: 223-230.
- Stakman, E.C.; Stewart D.M. and Loegering, W.Q., (1962):** Identification of physiologic races of *Puccinia graminis tritici*. U.S. Dept. Agric. Serv. E. 17-53 pp.
- Statler, G.D. (1984):** Probable genes for leaf rust resistance in several hard red spring wheat crop sciences 1984, 24: 883-886.
- Stoa, T.E. (1924):** The early harvest of rusted marquis wheat. Agron. J. 16: 41-47.
- Stubbs, R.W. (1988):** Pathogenicity analysis of yellow (stripe) rust of wheat and its significance in a global context (c.f) Breeding strategies for resistance to the rusts of wheat. N.W. Simmonds and S. Rajaram (CIMMYT) ISBN 968-6127-23-2.

- Tarvet, I. and Cassel, R.C., (1951):** The use of cyclone in race identification of microscopic particles. *Phytopathology*, 41: 282-285.
- Tomerlin, J.R. (1983):** Temperature and host effects on latent and infectious period and on urediniospore production of *Puccinia recondita* f.sp. *tritici*. *Phytopathology*. 73: 414-419.
- Trevathan, L.I.; Khan, M.A. and Robbins, J.T. (1993):** Effect of protectant and eradicant fungicides on area under the leaf rust progress curve, yield, and kernel weight of Mississippi winter wheat. Bulletin Mississippi Agricultural and Forestry Experiment-Station. No. 1004, 7 pp.
- Urech, P.A.; Jella, Pieta, S. and Speich, J. (1980):** The use of CGA 64250 against cereal rusts disease. European and Mediterranean Cereal Rusts Conf. Proc. 5: 249.
- Usman, M.; Jaganathan, R. and Dinakaran, D. (1993):** Plant disease management on groundnut with naturally occurring plant products. Review of Plant Pathology Vol. 72 No. 11.
- Watkins, J.E.; Rutledge, S.S. and Baenziger, P.S. (1995):** Virulence patterns of *Puccinia recondita* f.sp. *tritici* in Nebraska during 1992 and 1993 Plant Dis. 79: 467-470.
- Wilcoxson, R.D. (1956):** The structure of the wheat stem rust in relation to development of pustules of *Puccinia graminis tritici*. *Phytopathology*. 48: 518-519.
- Wilcoxson, R.D. (1958):** Peduncle sclerenchyma tissues of Nugget wheat in relation to development of pustules of *Puccinia graminis tritici*. *Phytopathology* 48: 518-519.
- Yang, X.B. and Zeng, S.M. (1989):** Effect of yellow rust on yield components of winter wheat in China. *Plant Pathology*, 1: 1-8.