

LITERATURE CITED

- Ahmed, A.S. and T. Nihal. 2001. Rice tungro disease. Pub med. Available Source: <http://www.irri.org/tropice/htm/d-tungro.htm>, March 24, 2004.
- Aloni, R., A. Walf, P. Fegenbaum, A. Avni and H.J. Klee. 1998. The *Never ripe* mutant provides evidence that tumor-induced ethylene controls the morphogenesis of *Agrobacterium tumefaciens*-induced crown galls on tomato stems. **Plant Physiol.** 117: 841-849.
- Anonymous. 2003. Tropical Rice. Available source: http://www.rdi.ku.ac.th/TropRice_th/Disease%20management.html, March 24, 2004.
- Anonymous. 2005. Ethylene signaling in *Arabidopsis*. Available source: http://www.proteinlounge.com/pop_pathways1.aps?id=Ethylene+Signaling, May 19, 2005.
- Ausubel, F.M., Roger B., Robert E.K., David D.M., Seidman J.G., John A.S. and Kevin S. 1992. Short protocols in molecular biology: A compendium of methods from current protocols in molecular biology. Fourth edition. Wiley, Inc. New York.
- Azzam, O. and C.B. Chancellor. 2002. The Biology, Epidemiology, and Management of Rice Tungro Disease in Asia. **Plant Disease.** 85(2): 88-100.
- Baker, B., P. Zambryski, B. Staskawicz and S.P. Dinesh-Kumar. 1997. Signaling in plant-microbe interactions. **Science.** 276: 726-733.
- Barthelemy, T., M.T. Sanchez-Ballesta, B. Jones, E. Pesquet, F. Regad, A. Latche, J. Pech, and M. Bouzayen. 2003. New members of the tomato ERF family show specific expression pattern and diverse DNA-binding capacity to the GCC box element. **FEBS Letter.** 550: 149-154.

- Berrocal-Lobo, M., A. Molina and R. Solano. 2002. Constitutive expression of ETHYLENE-RESPONSE-FACTOR1 in *Arabidopsis* confers resistance to several necrotrophic fungi. *Plant J.* 29: 23-32.
- Bleecker, A.B. 1999. Ethylene perception and signaling: an evolutionary perspective. *Trends Plant Sci.* 4(7): 269-274.
- Brown, R.L., K. Kazan, K.C. McGrath, D.J. Maclean and J.M. Manners. 2003. A role for the GCC-box in jasmonate-mediated activation of the PDF1.2 gene of *Arabidopsis*. *Plant Physiol.* 132: 1020-1032.
- Center for cooperation international of research agronomic pour development. 2002. Rice feed the world. Publish on the occasion of the International Salon of Agriculture, Paris.
- Chen, Y.F., N. Etheridge and G.E. Schaller. 2005. Ethylene signal transduction. *Annals of Bot.* 95: 901-915.
- Chen, W.Q., N.J. Provart, J. Glazebrook, F. Katagiri, H.S. Chang, T. Eulgem, F. Mauch, S. Luan, G.Z. Zou and S.A. Whitham. 2002. Expression profile matrix of *Arabidopsis* transcription factor genes suggests their putative functions in response to environmental stresses. *Plant Cell.* 14: 559-574.
- Ciardì, J.A., D.M. Tieman, S.T. Lund, J.B. Jones, R.E. Stall, H.J. Klee. 2001. Response to *Xanthomonas campestris* Pv. vesicatoria in tomato involves regulation of ethylene receptor gene expression. *Plant physiol.* 123: 81-92.
- Conrath, U., M.J. Corne. and M.M. Brigitte. 2002. Priming in Plant-pathogen interactions. *Trends Plant Sci.* 7: 210-217.

- Corne, M.J. T. Jurriaan, and L.C. Van Loon. 2001. Cross talk between plant defense signaling pathways: boost or burden. **Ag Biotech Net.** 3: 1-8.
- Durrant, W.E., O. Rowland, P. Piedras. K.E. Hammond-Kosack and J.D. Jones. 2000. CDNA-AFLP reveals a striking overlap in race-specific resistance and wound response gene expression profiles. **Plant Cell.** 12: 963-977.
- Etienne, H., O. Guerra-peraza and T. Horn. 2000. The Rice Tungro Bacilliform Virus Gene II product interacts with the coat protein domain of the viral gene III polyprotein. **J. of Virol.** 74: 2073-2083.
- Etheridge, N., B.P. Hall and G.E. Schaller. 2005. Progress report: ethylene signaling and responses. **Planta.** DOI 10.1007/s00425-0163-2.
- Fujimoto, S.Y., M. Ohta, A.Usui, H. Shinshi and M. Ohme-Takagi. 2000. *Arabidopsis* ethylene-responsive element binding factors act as transcriptional activators or repressors of GCC box mediated gene expression. **Plant Cell.** 12: 393-404.
- Guo ZJ, X.J. Chen, X.L.Wu, J.Q. Ling and P. Xu. 2004. Overexpression of the AP2/EREBP transcription factor OPBP1 enhances disease resistance and salt tolerance in tobacco. **Plant Mol. Biol.** 55: 607-618.
- Hau, J., C. Chang, Q. Un and E.M. Meyerowitz. 1995. Ethylene sensitivity conferred by *Arabidopsis* ERS gene. **Science.** 269: 1712-1714.
- Hau, J. and E.M. Meyerowitz. 1998. Ethylene responses are negatively regulated by a receptor gene family in *Arabidopsis*. **Cell.** 94: 261-271.
- Hoffman, T., J.S. Schmidt, X. Zheng and A.E. Bent. 1999. Isolation of ethylene insensitive soybean mutants that are altered in pathogen susceptibility and gene-for-gene disease resistance. **Plant Physiol.** 199: 939-949.
- Horvath, D.M., D.J. Huang and N.H. Chua. 2000. Four classes of salicylate-induced

- tobacco genes. **Mol Plant-Microbe Interact.** 11: 895-905.
- Ildoo, H., Huei-Chi Chen, and J. Sheen. 2002. Two-Component Signal Transduction Pathways in *Arabidopsis*. **Plant physiol.** 129: 500-515.
- Indranil, D., R. Hull, S Eastop, C. Poggi-Pollini, M. Blakebrough. M.I. Boulton and J.W. Davies. 1991. Rice Tungro Bacilliform Virus DNA independently infects rice after *Agrobacterium*-mediated transfer. **J. Gen Virol.** 72:1215-1221.
- Jane, G. 2001. Genes controlling expression of defense response in *Arabidopsis*-2001 status. **Curr. Opin. Plant Biol.** 4: 301-308.
- Jian, H., H. Sakai, S. Nourizadeh, Q.G. Chen, A.B. Bleeker, J.R. Ecker and E.M. Meyerowitz. 1998. EIN4 and ERS2 are members of the putative ethylene receptor gene family in *Arabidopsis*. **The Plant Cell.** 10: 1321-1332.
- John M. McDowell and J.L. Dang. 2000. Signal transduction in plant immune response. **Trends Biochem Sci.** 25: 79-82.
- Jones, M.C., K. Gough, I. Dasgupta, B.L. Subba Rao, J. Cliffe, R. Qu, P. Shen, M. Kaniewska, M. Blakebrough, J.W. Davies, R.N. Beachy and R. Hull. 1991. Rice Tungro Disease is caused by an RNA and a DNA Virus. **J. Gen Virol.** 72:757-761.
- Kim, C.Y., L. Yidong, T.T. Eleanor, Y. Heping, F. Hirotada, G. Walter, H. David, E.S. Robert, and Z. Shuqun. 2003. Activation of a stress-responsive mitogen-activated protein kinase cascade induced the biosynthesis of ethylene in plants. **Plant Cell.** 15: 2707-2718.
- Klee, H.J. 2002. Control of ethylene-mediated processes in tomato at the level of receptor. **J. Exp. Bot.** 53: 2057-2063.

Lohrmann, J. and H. Klaus. 2002. Plant Two-component signaling systems and the role of response regulators. **Plant Physiol.** 128: 363-369.

Lori, C.A. 2003. Molecular analysis of ethylene signal transduction in tomato. Ph.D. thesis, Texas A&M University, U.S.A.

Lund, S.T., R.E. Stall and H.J. Klee. 1998. Ethylene regulates the susceptible response to pathogen infection in tomato. **Plant Cell.** 10: 371-382.

Marmey, P., M. Ana Rojas, D.K. Alexandre, N.B. Roger and M.F. Claude M.F., 2005. Characterization of the protease domain of Rice Tungro Bacilliform Virus responsible for the processing of capsid protein from the polyprotein. **Virol J.** 2:33.

Montesinos, E., A. Bonaterra, E. Badosa, J. France, J. Alemany, I. Llorente, and C. Moragrega. 2002. Plant-microbe interactions and the new biotechnological methods of plant disease control. **Int microbe.** 5: 169-175.

Naito, S., M.Y. Hirai, M. Ohino and Y. Koneda. 1994. Expression of soybean (*Glycine max* L.) seed storage protein gene in transgenic *Arabidopsis thaliana* and its response to nutritional stress and to abscisic acid mutations. **Plant physiol.** 104: 497-503.

Office of Agricultural Economic. 2003. Rice. Google. Available source:
<http://www.oae.go.th/statistic/yearbook/2002-03>, March 24, 2004.
 Osmat, A. and T.C.B Chancellor. 2001. The biology, epidemiology and management of rice tungro disease in Asia. **Plant disease.** 86: 87-100.

Oryza Thailand Rice Market Report. 2003. Asia Rice. Available source:
http://www.dtn.moc.go.th/web/FTA_ASEAN_CHINA/2.๒๐๙/๒๐๑.doc,
 March 24, 2004.

- Penninckx, I.A.M.A., B.P.H.J. Thomma, A. Buchala, J.-P. Metraux and W.F. Broekaert. 1998. Concomitant activation of jasmonate and ethylene response pathways is required for induction of a plant defensin gene in *Arabidopsis*. **Plant Cell** 10: 2103–2113.
- Pieterse, C.M.J., S.C.M. Wee, J.A. Pelt, M. Dnoester, R. Laan, H. Gerrits, P.J. Weisbeek and L.C. Loon. 1998. A novel signaling pathway controlling induced systemic resistance in *Arabidopsis*. **Plant Cell**. 10: 1571.
- Pontier, D., C. Balague and D. Roby. 1998. The hypersensitive response. **Sci.Vie**. 321, 721-734.
- Qu, X. and G.E. Shaller. 2004. Requirement of the histidine kinase domain for signal transduction by the ethylene receptor ETR1. **Plant Physiol.** 136: 2961-2970.
- Richard, M. 2005. Signal crosstalk and induced resistance: straddling the line between cost and benefit. **Ann. Rev. Phytop.** 43: 545-580.
- Riechmann J.L., J. Heard, G. Martin, L. Reuber, C. Jiang, J. Keddie, L. Adam, O. Pineda, O.J. Ratcliffe and R.R. Samaha. 2000. *Arabidopsis* transcription factors: genome-wide comparative analysis among eukaryotes. **Science**. 290: 2105-2110.
- Sambrook, J., E.F. Fritsch and T. Maniatis. 1989. Molecular cloning: a laboratory manual. Cold Spring Harbor, N.Y.: Cold Spring Harbor Labortory Press.
- Schaller, E.G. and J.J. Kieber. 2002. Ethylene. The *Arabidopsis* book. American Society of Plant Biologist.
- Sta, C., F.C. Koganezawa, and H. Hibino. 1993. Comparative cytology of rice tungro viruses in selected rice cultivars. **J. Phytopathol.** 138: 274-282.

- Sta, C., M.I. Boulton, R. Hull and O. Azzam. 1999. Agroinoculation allows the screening of rice for resistance of Rice Tungro Bacilliform Virus. **J. of Phytopath.** 147: 653-659.
- Steven, T.L., E. Robert and J. Harry. 1998. Ethylene regulates the susceptible response to pathogen infection in tomato. **Plant Cell.** 10: 371-382.
- Thara, V.K., X. Tang, Y.Q. Gu, G. Martin and J.M. Zhou. 1999. *Pseudomas syringae* pv tomato induces the expression of tomato EREBP-like genes Pt14 and Pt15 independent of ethylene, salicylate and jasmonate. **Plant J.** 20: 475-483.
- Terajima, Y., H. Nukui, A. Kobayashi, S. Fujimoto, S. Hase, T. Yoshioka, T. Hashiba and S. Satoh. 2001. Molecular cloning and characterization of cDNA for a novel ethylene receptors, NT-ERS1, of tobacco (*Nicotiana tabacum* L.). **Plant physiol.** 42: 308-313.
- The Rice Exporter Association. 2005. Export country. Available Source:
<http://www.riceexpoter.or.th/world%20rice%20trade.htm>, December 26, 2005.
- Thomma, B.P.H.J., K. Eggermont, K.F.M.J. Tierens, and W.F. Broekaert. 1999. Requirement of functional *ethylene-insensitive* 2 gene for efficient resistance of *Arabidopsis* to infection by *Botrytis cinerea*. **Plant Physiol.** 121: 1093-1101.
- Yew Seng, J.H., L.M. Burden and J.H. Hurley. 2000. Structure of the GAF domain, a ubiquitous signaling motif and a new class of cyclic GMP receptor. **The EMBO.** 19: 5288-5299.
- Yau, C.P., L. Wang, M. Yu, S.Y. Zee and W.K. Yip. 2004. Differential expression of three genes encoding an ethylene receptor in rice during development and response to indole-3-acetic acid and silver ions. **J. Exp. Bot.** 55: 547-556.