

Τίτλος άρθρου: Γεωργικά φάρμακα, οφέλη και επιπτώσεις από τη χρήση τους, πως προδιαγράφεται το μέλλον τους

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ΒΙΒΛΙΟΓΡΑΦΙΑ

1. Anonymous. 2017. Elicitor. Available at <https://en.wikipedia.org/wiki/Elicitor>.
2. Borlaug, N. 1971. Mankind and civilization at another cross-road. 8 November 1971, McDougalL Memorial Lecture. 76 Pages.
3. Cooper, J. and H. Dobson. 2007. The benefits of pesticides to mankind and the environment. *Crop Protection* 26:1337-1348.
4. Damalas, C.A. and I.G. Eleftherohorinos. 2011. Pesticide exposure, safety issues, and risk assessment indicators. *International Journal of Environmental Research and Public Health* 8:1402-1419.
5. Οδηγία 91/414/EOK. 1991. Οδηγία του Συμβουλίου της 15ης Ιουλίου 1991 σχετικά με τη διάθεση στην αγορά φυτοπροστατευτικών προϊόντων.
6. EU Pesticides database. 2017. Available at <http://ec.europa.eu/food/plant/pesticides/eu-pesticides-database/public/?event=activesubstance.selection&language=EN>.
7. Κανονισμός (ΕΕ) αριθ. 528/2012 του Ευρωπαϊκού Κοινοβουλίου και του Συμβουλίου της 22ας Μαΐου 2012. Σχετικά με τη διάθεση στην αγορά και τη χρήση βιοκτόνων.
8. Oerke, E.C. 2006. Crop losses to pests. *Journal of Agricultural Science* 144:31-43.
9. Oerke, E.C. and H.W. Dehne. 2004. Safeguarding production-losses in major crops and the role of crop protection. *Crop Protection* 23:275-285.
10. Organization for Economic Cooperation and Development (OECD). 2017. Biological pesticides, Available at <http://www.oecd.org/chemicalsafety/pesticides-biocides/biological-pesticides.htm>
11. Sparks, T.C. and B.A. Lorsbach. 2017. Perspectives on the agrochemical industry and agrochemical discovery. *Pest Management Science* 73:672-677.
12. Sparks, T.C., D.R. Hahn, and N.V. Garizi. 2017. Natural products, their derivatives, mimics and synthetic equivalents: role in agrochemical discovery. *Pest Management Science* 73:700-715.
13. Thakur, M. and B.S. Sohal. 2013. Role of Elicitors in Inducing Resistance in Plants against Pathogen Infection: A Review. Hinadwi Publishing Corporation, ISRN Biochemistry, Article. ID 762412, 10 pages. <http://dx.doi.org/10.1155/2013/762412>.
14. United States Environmental Protection Agency (US EPA). 2017a. Pesticide. Available at (<https://www.epa.gov/minimum-risk-pesticides/what-pesticide/>).
15. United States Environmental Protection Agency (US EPA). 2017b. What are Biopesticides? Available at <https://www.epa.gov/ingredients-used-pesticide-products/what-are-biopesticides>.

Τίτλος Άρθρου: Οι «Βιοδιεγέρτες» στη γεωργία

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Γεωπόνος, Υπεύθυνος Τεχνικού τμήματος και Διευθυντής πωλήσεων της Agrococosmos SA Crop care

ΕΛΛΗΝΙΚΗ ΒΙΒΛΙΟΓΡΑΦΙΑ

1. Taiz L. & Zeiger E., 2012, «Φυσιολογία Φυτών», εκδ. Utopia, 5η Αμερικάνικη έκδοση-1η Ελληνική σε γενική επιμέλεια Κ. Θάνου.
2. Τσέκος Ι.Β., 2007. «Φυσιολογία Φυτών», εκδ. Αφοι Κυριακίδη.

ΞΕΝΟΓΛΩΣΣΗ ΒΙΒΛΙΟΓΡΑΦΙΑ

1. Alcázar R., Marco F., Cuevas J., Patrón M., Ferrando A., Carrasco P., Tiburcio A., Altabella T., 2006. "Involvement of polyamines in plant response to abiotic stress". *Biotechnol Lett* 28, pp. 1867-1876.
2. Bray E.A., Bailey-Serres J. and Weretilnyk E. 2000. "Responses to abiotic stress". In: Grissem W. & Jones R., Eds., "Biochemistry & molecular biology of plants", by American Society of Plant Physiologists, Rockville, pp.1158-1203
3. Blunden G., 2003. "Betaines in the plant kingdom and their use in ameliorating stress conditions in plants". *Acta Hort.(ISHS)* 597, pp. 23-29.
4. Calvo P., Nelson L. & Kloepper J. W., 2014. "Agricultural uses of plant biostimulants", *Plant Soil* 383, pp. 3-41.
5. Coelho R.W., Fike J.H., Schmidt R.E., Zhang X., Allen V.G. and Fontenot J.P., 1997. "Influence of seaweed extract on growth, chemical composition and superoxide dismutase activity in tall fescue": In Proceedings of the 1997 American Forage and Grasslands Council, Fort Worth, Texas.
6. Colla G., 2016. "Biostimulants in Agriculture", presentation in Inter-Poma, Bolzano.
7. Datnoff L.E., Elmer W.H., Huber D.M., 2007. "Mineral nutrition and plant disease", published by The American Phytopathological Society.
8. DAYMSA Technical department, "Technical report NaturaminWSP range"
9. Delauney A.J. & Verma D.P.S., 1993. "Proline biosynthesis and osmoregulation in plants". *Plant J.* 4, pp. 215-223.
10. Elhiti M. & Stasolla Cl., 2009. "Structure and function of homodomain-leucine zipper (HD-Zip) proteins", *Plant Signaling & Behavior* 4:2, pp. 86-88.
11. Ezz T., 1994. "Effect of phenylalanine on anthocyanin pigment, fruit quality and yield of Roumi Red grapes", *Alexandria Journal of Agricultural Research*, Vol. 39, N° 1, pp. 345-356.
12. Franssen H. J. & Bisseling T., 2001. "Peptide signaling in plants", *Proc Natl Acad Sci U S A.* Nov 6; 98(23), pp. 12855-12856.
13. Fukuda H. & Higashiyama T., 2011. "Diverse Functions of Plant Peptides: Entering a New Phase", *Plant Cell Physiol.* 52(1), pp. 1-4.
14. Gilroy et. al., 2014 "A tidal wave of signals: calcium and ROS at the forefront of rapid systemic signaling", *Trends Plant Science* 19(10), pp. 623-620.
15. Genot B. 2013, "Biostimulants: Framing a New Tool for Agricultural Innovation" presentation in ABIM 23 October 2013.
16. Handa S., Handa A.K., Hasegawa P.M., Bressan R.A., 1986. "Proline accumulation and the adaptation of cultured plant cells to water stress". *Plant Physiology* 80, pp. 938-945.
17. Jameson P.E., 1993. "Plant Hormones in the algae. Progress" in *Physiological Research* 9, pp. 240-279.
18. Kloepper J. W., 2015. "Agricultural Uses of Plant Biostimulants: A review of current scientific knowledge" presentation in "The 2d World Congress on the use of Biostimulants in Agriculture", Florence.
19. Kaur-Sawhney R., Tiburcio A., Altabella T., Galston A., 2003. "Polyamines in plants: An overview". *Journal of Cell and Molecular Biology* (2), pp. 1-12.
20. Kusano T., Berberich T., Tateda C., Takahashi Y., 2008. "Polyamines: essential factors for growth and survival". *Planta* 228, pp. 367-381.
21. Marchner H., 1995. "Mineral nutrition of higher plants" 2d ed. Academic Press, U.K.
22. Matsubayashi Y. & Sakagami Y., 2006. "Peptide hormones in plants", *Annu Rev Plant Biol.* 57, pp. 649-74.
23. Nijhawan A., Jain M., Tyagi A.K., and Khurana J.P., 2008. "Genomic Survey and Gene Expression Analysis of the Basic Leucine Zipper Transcription Factor Family in Rice" *Plant Physiology*, Vol. 146, pp. 333-350.
24. Norrie J. & Hiltz D.A., 1999. "Agricultural applications using *Ascophyllum* seaweed products". *Agro-Food Industry High-Tech.* 2, pp.15-18.
25. Norrie J., Branson T. and Keathley P.E., 2002. "Marine plant extracts impact on grape yield and quality".
26. Proceedings: International Symposium on Foliar Nutrition of Perennial Fruit Plants. *Acta Horticulturae.* 594, pp. 315-319.
27. Prabha D. & Negi Y., 2014. "Seed Treatment with Salicylic Acid Enhance Drought Tolerance in Capsicum" *World Journal of Agricultural Research.*, Vol. 2 No. 2, pp.42-46.
28. Rabe, E., 1990. "Stress physiology. The functional significance of the accumulation of nitrogen-containing compounds". *J. Hort. Sci.* 65 (3).
29. Ridge I. 2005. "Plants", publ. Oxford University Press.
30. Rhodes D., 1987. "Metabolic responses to stress". In "The Biochemistry of Plants" (DD Davies ed.), Vol. 12, Academic Press, New York, pp. 201-241.
31. Rhodes D., Verslues P.E., Sharp R.E., 1999. "Role of amino acids in abiotic stress resistance". In (BK Singh ed.) "Plant Amino Acids: Biochemistry and Biotechnology", Marcel Dekker, NY, pp. 319-356.
32. Senn, T.L., 1987. "Seaweed and Plant Growth", Clemson University.
33. Sorce C. et al. , 2011. "Occurrence of natural auxin and accumulation of calcium during early fruit development in kiwifruit", *Australian Journal of Crop Science* 5(7), pp. 895-898.
34. Stewart G, Larher F 1980 "Accumulation of amino acids and related compounds in relation to environmental stress". In "The Biochemistry of Plants" (BJ Mifflin ed.), Vol. 5, Academic Press, New York, pp. 609-635.
35. Tallarico R. 1983. "Evaluations of the yield response of spinach to treatment with plant growth regulators and biostimulants". *Notiziario di Ortoflorofruitticoltura* 9 (3), pp. 130-135.
36. Vitagliano, C.; Viti, R. 1989. Effects of some growth substances on pollen germination and tube growth in different stone fruits. *Acta Hortoculturae* No.239, pp. 379-382.
37. Wimalasekera R., Tebartz F., Scherer G., 2011. "Polyamines, polyamine oxidases and nitric oxide in development, abiotic and biotic stresses". *Plant Science* 181, pp. 593-603.
38. Wyn Jones R.G., Storey R, Leigh R.A., Ahmad N, Pollard A., 1977. "A hypothesis on cytoplasmic osmoregulation". In "Regulation of Cell Membrane Activities in Plants" (E Marre, O. Ciferri eds), Elsevier, Amsterdam, pp. 121-136.
39. Xing-Quan Liu & Kyu-Seung Lee, 2012. "Effect of Mixed Amino Acids on Crop Growth", *Agricultural Science*, pp. 119-158.
40. Yamada M. & Sawa S., 2013. "The roles of peptide hormones during plant root development", *Current Opinion in Plant Biology*, Vol. 16, Issue 1, pp. 56-61.
41. Zahur M. et. al., 2013. "Homeobox leucine zipper proteins and cotton improvement" *Advances in Bioscience and Biotechnology*, Vol.4 No.10B.