



السنة الدولية لصحة النبات 2020

قائمة بحوث آفات أوراق نبات القطن 2

آفات نبات القطن

قائمة الأوراق البحثية العربية المنشورة منذ عام 2015 مرتبة حسب عدد الاقتباسات حول دودة ورق القطن المصرية (spodoptera littoralis).

المصدر: Scopus

نوع الأوراق: Article & Review

1. [Synthesis, structural characterization, electrochemical and biological studies on divalent metal chelates of a new ligand derived from pharmaceutical preservative, dehydroacetic acid, with 1,4-diaminobenzene](#)
Emam, S.M., El-Tabl, A.S., Ahmed, H.M., Emad, E.A.
(2017) Arabian Journal of Chemistry, 10, pp. S3816-S3825.
2. [Chemical modification of commercial kaolin for mitigation of organic pollutants in environment via adsorption and generation of inorganic pesticides](#)
Khairy, M., Ayoub, H.A., Rashwan, F.A., Abdel-Hafez, H.F.
(2018) Applied Clay Science, 153, pp. 124-133.
3. [Priming of cowpea volatile emissions with defense inducers enhances the plant's attractiveness to parasitoids when attacked by caterpillars](#)
Sobhy, I.S., Bruce, T.J.A., Turlings, T.C.J.
(2018) Pest Management Science, 74 (4), pp. 966-977.



4. [Morphology and distribution of ovipositor sensilla of female cotton leaf worm *Spodoptera littoralis* \(Lepidoptera: Noctuidae\), and evidence for gustatory function](#)
Seada, M.A., Ignell, R., Anderson, P.
(2016) Entomological Science, 19 (1), pp. 9-19.
5. [Sodium titanate -Bacillus as a new nanopesticide for cotton leaf-worm](#)
Zaki, A.M., Zaki, A.H., Farghali, A.A., Abdel-Rahim, E.F.
(2017) Journal of Pure and Applied Microbiology, 11 (2), pp. 725-732.
6. [Synthesis and insecticidal assessment of some innovative heterocycles incorporating a thiadiazole moiety against the cotton leafworm, *Spodoptera littoralis*](#)
Fadda, A.A., El Salam, M.A., Tawfik, E.H., Anwar, E.M., Etman, H.A.
(2017) RSC Advances, 7 (63), pp. 39773-39785.
7. [Behavioral and metabolic effects of sublethal doses of two insecticides, chlorpyrifos and methomyl, in the Egyptian cotton leafworm, *Spodoptera littoralis* \(Boisduval\) \(Lepidoptera: Noctuidae\)](#)
Dewer, Y., Pottier, M.-A., Lalouette, L., Maria, A., Dacher, M., Belzunces, L.P., Kairo, G., Renault, D., Maibeche, M., Siaussat, D.
(2016) Environmental Science and Pollution Research, 23 (4), pp. 3086-3096.
8. [Comparative study to determine food consumption of cotton leafworm, *Spodoptera littoralis*, on some cotton genotypes](#)
Khedr, M.A., Al-Shannaf, H.M., Mead, H.M., Shaker, S.A.E.-A.
(2015) Journal of Plant Protection Research, 55 (3), pp. 312-321.



9. [Pesticidal Activity of Nanostructured Metal Oxides for Generation of Alternative Pesticide Formulations](#)
Ayoub, H.A., Khairy, M., Elsaid, S., Rashwan, F.A., Abdel-Hafez, H.F.
(2018) Journal of Agricultural and Food Chemistry, 66 (22), pp. 5491-5498.

10. [Castor and camphor essential oils alter hemocyte populations and induce biochemical changes in larvae of Spodoptera littoralis \(Boisduval\) \(Lepidoptera: Noctuidae\)](#)
Ali, A.M., Ibrahim, A.M.A.
(2018) Journal of Asia-Pacific Entomology, 21 (2), pp. 631-637.

11. [Insecticidal Activity of Garlic \(Allium sativum\) and Ginger \(Zingiber officinale\) Oils on the Cotton Leafworm, Spodoptera littoralis \(Boisd.\) \(Lepidoptera: Noctuidae\)](#)
Hamada, H.M., Awad, M., El-Hefny, M., Moustafa, M.A.M.
(2018) African Entomology, 26 (1), pp. 84-94.

12. [Role of Challenger pesticide and plant extracts on some physiological parameters of the cotton leafworm, Spodoptera littoralis \(Boisd.\)](#)
Ebeid, A.R., Sammour, E.A., Zohdy, N.Z.M.
(2015) Archives of Phytopathology and Plant Protection, 48 (5), pp. 385-392.

13. [Comparative study of the use of insect meal from spodoptera littoralis and bactrocera zonata for feeding japanese quail chicks](#)
Sayed, W.A.A., Ibrahim, N.S., Hatab, M.H., Zhu, F., Rumpold, B.A.
(2019) Animals, 9 (4), art. no. 136, .



14. [Comparative analysis of the susceptibility/tolerance of *Spodoptera littoralis* to Vip3Aa, Vip3Ae, Vip3Ad and Vip3Af toxins of *Bacillus thuringiensis*](#)
Boukedi, H., Ben Khedher, S., Abdelkefi-Mesrati, L., Van Rie, J., Tounsi, S.
(2018) Journal of Invertebrate Pathology, 152, pp. 30-34.

15. [Evaluations of *Metarhizium anisopliae* and two Destruxin against cotton leaf worm *Spodoptera littoralis* \(Lepidoptera: Noctuidae\) under laboratory and field conditions](#)
Sabbour, M.M., Shaurub, E.-S.H.
(2018) Bioscience Research, 15 (2), pp. 1028-1033.

16. [Chemical constituents and ovicidal effects of mahlab, *Prunus mahaleb* L. kernels oil on cotton leafworm, *Spodoptera littoralis* \(Boisd.\) eggs](#)
Mead, H.M., El-Shafiey, S.N., Sabry, H.M.
(2016) Journal of Plant Protection Research, 56 (3), pp. 279-290.

17. [Hematological and protein response of *Spodoptera littoralis* \(Boisd.\) to gamma radiation and the entomopathogenic fungus *Metarhizium anisopliae*](#)
El-Sonbaty, S.M., Gabarty, A., Ibrahim, A.A.
(2016) Egyptian Journal of Biological Pest Control, 26 (1), pp. 127-137.

18. [Efficacy of the entomopathogenic fungus, *Metarhizium anisopliae* \(Metsch.\), against larvae of the cotton leafworm, *Spodoptera littoralis* \(Boisd.\) \(Lepidoptera: Noctuidae\), under laboratory conditions](#)
El Hussein, M.M.M.
(2019) Egyptian Journal of Biological Pest Control, 29 (1), art. no. 50, .



19. [Mortality and nematode production in Spodoptera littoralis larvae in relation to dual infection with Steinernema riobrave, Heterorhabditis bacteriophora, and Beauveria bassiana, and the host plant](#)
Shaurub, E.-S.H., Reyad, N.F., Abdel-Wahab, H.A., Ahmed, S.H.
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20. [Infectivity of the entomopathogenic nematodes as bio-control agents to spodoptera littorals, ceratitis capitata and bactrocera zonata](#)
Abbas, M.S.T., Nouh, G.M., Abdel-Samad, S.S.M., Negm, A.A.
(2016) Egyptian Journal of Biological Pest Control, 26 (3), pp. 609-613.

21. [A transferrin fragment isolated from the Egyptian cotton leaf worm, Spodoptera littoralis \(Boisduval\) \(Lepidoptera: Noctuidae\) in response to two commercial bioinsecticides](#)
Hamama, H.M., Hussein, M.A., Fahmy, A.R., Fergani, Y.A., Mabrouk, A.M., Farghaley, S.F.
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22. [Effect of feeding treatment with some extracts of black pepper on some biological aspects of cotton leaf worm](#)
AL-Khazraji, H.I., Ahmed, R.F., AL-Jorany, R.S.
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23. [Susceptibility of field and laboratory strains of Cotton leafworm, Spodoptera littoralis \(Boisd.\) \(Lepidoptera: Noctuidae\) to spinosad pesticide under laboratory conditions](#)
Ahmed, M.A.I., Temerak, S.A.H., Abdel-Galil, F.A.-K., Manna, S.H.M.
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24. [Inheritance of Bacillus thuringiensisCry1C resistance in Egyptian cotton leafworm, Spodoptera littoralis \(Lepidoptera: Noctuidae\)](#)
Moussa, S., Kamel, E., Ismail, I.M., Mohammed, A.
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25. [The effects of selected host plants on the efficacy of spinosad pesticide on cotton leafworm, Spodoptera littoralis \(Boisd.\) \(Lepidoptera: Noctuidae\) under laboratory conditions](#)
Ahmed, M.A.I., Temerak, S.A.S., Abdel-Galil, F.A., Manna, S.H.M.
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26. [Evaluation of two eco friendly botanical oils on cotton leaf worm, Spodoptera littoralis \(Boisd\) \(Lepidoptera/Noctuidae\)](#)
Moawad, S.S., Sadek, H.E.
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27. [Physiological and molecular genetic studies on two elicitors for improving the tolerance of six Egyptian soybean cultivars to cotton leaf worm](#)
Ashry, N.A., Ghonaim, M.M., Mohamed, H.I., Mogazy, A.M.
(2018) Plant Physiology and Biochemistry, 130, pp. 224-234.

28. [Insecticidal prospects of algal and cyanobacterial extracts against the cotton leafworm Spodoptera littoralis](#)
Saber, A.A., Hamed, S.M., Abdel-Rahim, E.F.M., Cantonati, M.
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29. [Screening and identification of Bacillus thuringiensis strains native to Saudi Arabia that exhibit demonstrable anticancer activity](#)
Assaeedi, A.S., Osman, G.H.
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30. [Bioefficacy of cadmium and lead on cotton leafworm *Spodoptera littoralis* \(Lepidoptera: Noctuidae\) larvae](#)
Eesa, N.M., El-Sherif, H., El-Sayed, W.M., Abd El-Monem, D.H.
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31. [Effect of ultra violet radiations on insecticidal activity of *Spodoptera littoralis* multinucleocapsid nuclear polyhedrosis virus against *Spodoptera littoralis* Boisd \(Lepidoptera: Noctuidae\)](#)
Salama, M.S., Abd El-Salam, A.M.E., Mahmoud, D.M., Samah, M.M.A.
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32. [Sequential optimizations of *Aspergillus awamori* EM66 exochitinase and its application as biopesticide](#)
Awad, G.E.A., Wahab, W.A.A., Hussein, M.A., El-Diwany, A., Esawy, M.A.
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33. [Histological effects of emamectin benzoate on larvae of the cotton leaf worm, *Spodoptera littoralis* \(Boisd.\) \(Lepidoptera: Noctuidae\)](#)
Abo-El-Mahasen, M.M.
(2016) Egyptian Journal of Biological Pest Control, 26 (1), pp. 147-152.

34. [Toxicological studies and field applications of a new *Bacillus thuringiensis* isolate \(Bt1\) and two chemical pesticides on *Spodoptera littoralis* \(Boisd.\) \(Lepidoptera: Noctuidae\)](#)
Fifi, M.R., Hassanein, W.A., Sherief, E.A.H., Shahera, M.
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35. [Influence of diatomaceous earth in form of silica nano-particles on the nutritional indices of the cotton leaf worm, *Spodoptera littoralis* \(Boisd.\) \(Lepidoptera: Noctuidae\)](#)
Ebeid, A.R., Metwally, H.M.S., Gesraha, M.A.
(2016) Egyptian Journal of Biological Pest Control, 26 (4), pp. 761-765.
36. [Impact of ethanolic extract of *Spodoptera littoralis* \(Boisd.\) larval frass on oviposition deterrent of *Phthorimaea operculella* \(Zeller\) adult females](#)
Ahmed, A.A.I., Hashem, M.Y., El-Shershaby, M.M.A., Khalil, S.S.H.
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37. [Inhibition kinetics of acid and alkaline phosphatases by atrazine and methomyl pesticides](#)
El-Aswad, A.F., Badawy, M.E.I.
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38. [Efficacy of entomopathogenic nematodes against *Spodoptera littoralis* \(Boisd.\) and *Agrotis ipsilon* \(H.\) \(Lepidoptera: Noctuidae\)](#)
Sobhy, H.M., Abdel-Bary, N.A., Harras, F.A., Faragalla, F.H., Hussein, H.I.
(2020) Egyptian Journal of Biological Pest Control, 30 (1), art. no. 73, .
39. [Isolation and characterization of the local entomopathogenic bacterium, *Bacillus thuringiensis* isolates from different Egyptian soils](#)
Abo-Bakr, A., Fahmy, E.M., Badawy, F., Abd El-latif, A.O., Moussa, S.
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40. [Bacillus thuringiensis Cry1C resistance development and its processing pattern in Egyptian cotton leaf worm: Spodoptera littoralis \(Boisd.\) \(Lepidoptera:Noctuidae\)](#)
Moussa, S., Biaomy, F., Aiad, K., Khalil, H., Abd El-latif, A.O.
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41. [Increasing the efficacy of the cotton leaf worm Spodoptera littoralis nucleopolyhedrosis virus using certain essential oils](#)
Sayed, W.A.A., El-Bendary, H., El-Helaly, A.
(2020) Egyptian Journal of Biological Pest Control, 30 (1), art. no. 8, .

42. [Toxic effect of Spirulina platensis and Sargassum vulgar as natural pesticides on survival and biological characteristics of cotton leaf worm Spodoptera littoralis](#)
Rashwan, R.S., Hammad, D.M.
(2020) Scientific African, 8, art. no. e00323, .

43. [Synthesis, Characterization, and Biochemical Impacts of Some New Bioactive Sulfonamide Thiazole Derivatives as Potential Insecticidal Agents against the Cotton Leafworm, Spodoptera littoralis](#)
Soliman, N.N., Abd El Salam, M., Fadda, A.A., Abdel-Motaal, M.
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44. [Toxicity of fipronil and emamectin benzoate and their mixtures against cotton leafworm, spodoptera littoralis \(Lepidoptera: Noctuidae\) with relation to GABA content](#)
Kandil, M.A., Fouad, E.A., El Hefny, D.E., Abdel-Mobdy, Y.E.
(2020) Journal of Economic Entomology, 113 (1), pp. 385-389.



45. [Toxicological and biochemical studies on the effect of lufenuron, a chitin synthesis inhibitor alone or combined with gamma radiation against *spodoptera littoralis* larvae](#)
Abdalla, R.S., Rizk, S.A., El Sayed, T.S., Sayed, R.M.
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46. [Suppressive effects of insect growth regulators on development, reproduction and nutritional indices of the Egyptian cotton leafworm, *Spodoptera littoralis* \(Lepidoptera: Noctuidae\)](#)
Shaurub, E.-S.H., Abdel Aal, A.E., Emara, S.A.
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47. [Synthesis of novel 5-substituted imidazolinones as insecticides against cotton leaf worm \(*Spodoptera littoralis*\)](#)
Sofan, M.A., Abou Elmaaty, T.M., Elkafafy, A.-K.M., Abdel Mageed, A.E.M.
(2020) Journal of Heterocyclic Chemistry, 57 (1), pp. 377-389.
48. [Toxicological and biochemical effects of three Synthesis active derivatives of Benzothiophene on the irradiated and non-irradiated cotton leaf worm *Spodoptera littoralis* \(Lepidoptera: Noctuidae\) larvae](#)
Rizk, S.A., Abdalla, R.S., El Sayed, T.S., Sayed, R.M., El-Damhougy, B.K., Ghobashy, M.M.
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49. [Interaction of Spinosad and *Bacillus thuringiensis* on Certain Toxicological, Biochemical and Molecular Aspects in the Egyptian Cotton Leaf Worm, *Spodoptera littoralis* \(Boisduval\) \(Lepidoptera: Noctuidae\)](#)
Abd El-Samei, E.M., Hamama, H.M., El-Enien, M.G.A.A., Awad, H.H.
(2019) African Entomology, 27 (2), pp. 508-522.



50. [The population density of potato \(*Solanum tuberosum*\) pests in two season plantation in Baghdad, Iraq](#)
Kathiar, S.A., Flaih, S.K., Mofaq, M., Abdulkareem, M.
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51. [Mass production of metarhizium anisopliae AUMC 3262 strain isolated from egyptian habitat and its virulence against spodoptera littoralis larvae \(Boisd.\)](#)
Ezzat, S.M., El-Sheikh, A.A., Mohamed Hussien, R.H.
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52. [Efficacy of silica nanoparticles on cotton leaf worm larvae, Spodoptera littoralis \(Boisd.\) \(Lepidoptera: Noctuidae\)](#)
Hashem, M.Y., Sabbour, M.M., Ahmed, S.S., Abd Elrhman, A., Montaser, A.S., Mohamed, K.M.
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53. [Insecticidal, behavioral and biological effects of chlorantraniliprole and chlorfluazuron on cotton leafworm \(spodoptera littoralis\)](#)
Hussein, H.S., Eldesouky, S.E.
(2019) Pakistan Journal of Biological Sciences, 22 (8), pp. 372-382.
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Ahmed, K.S., Mikhail, W.Z.A., Sobhy, H.M., Radwan, E.M.M., El Din, T.S., Youssef, A.M.
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55. [Effect of Ultraviolet Radiation on Original Activity Remaining of Spodoptera littoralis NPV against S. Littoralis Boisd \(Lepidoptera: Noctuidae\)](#)
Abd EL-Aziz, S.M.M., Abd El-Salam, A.M.E., Salama, M.S., Mahmoud, D.M.
(2019) Egyptian Journal of Chemistry, 62, pp. 173-178.
56. [Characterization of the first aquaporin gene from the egyptian cotton leafworm, spodoptera littoralis](#)
El-Gamal, S.M., Elateek, S.Y., Ibrahim, S.A., Khalil, S.M.S.
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Yones, M., Dahi, H., Aboelghar, M.
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58. [Impact of enriched CO2 fumigation effects on plantinsect interaction: Feeding behaviour and growth early and late instar larvae of the cotton leaf worm Spodoptera littoralis \(Lepidoptera: Noctuidae\)](#)
Abu ElEla, S., ElSayed, W.M.
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59. [The effectiveness of spinosad and neem extract against Spodoptera littoralis \(Boisd.\) and Spodoptera exigua \(Hubner\): Exploring possibilities to enhance the bio-pesticide persistence with natural UV protectants under field-sunlight conditions of Saudi Arabia](#)
Sukirno, S., Tufail, M., Rasool, K.G., El Salamouny, S., Sutanto, K.D., Aldawood, A.S.
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60. [Susceptibility of different stages of the cotton leaf worm *Spodoptera littoralis* \(Boisd.\) to the fungus *Beauveria bassiana* \(Bals.\) Vuil. under laboratory conditions](#)
Ahmad, M., Gazal, I., Rajab, L.
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61. [TiO₂ nanoparticles as an effective nanopesticide for cotton leaf worm](#)
Shaker, A.M., Zaki, A.H., Abdel-Rahim, E.F.M., Khedr, M.H.
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62. [Deep-tissue confocal imaging of the central projections of ovipositor sensory afferents in the Egyptian cotton leafworm, *Spodoptera littoralis*](#)
Seada, M.A., Ghaninia, M.
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63. [Preparation and evaluation of three laboratory formulations of the entomopathogenic fungus *Beauveria bassiana*](#)
Ali, S.S.
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64. [Vital enzymatic responses in haemolymph of *spodoptera littoralis* \(Boisd.\) \(lepidoptera: Noctuidae\) to entomopathogenic fungi infection](#)
Sahar, S.A., El-Badawy, S.S., El-Hefny, A.A., El-Sabagh, M.A.
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65. [Field evaluation of some alternative bioinsecticides for controlling cotton leafworm and cotton bollworms at el-gharbia and el-fayoum governorates, Egypt](#)
Fatma, A.B., Amal, E.Z.
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66. [Integration of entomopathogenic nematodes and fungi for controlling the cotton leaf worm, *spodoptera littoralis* \(Boisd.\) \(Lepidoptera: Noctuidae\)](#)
Nouh, G.M., Shairra, S.A.
(2015) Egyptian Journal of Biological Pest Control, 25 (1), pp. 61-65.
67. [Indirect toxicity of treated prey with two chitin synthesis inhibitors, on pre-imaginal stages of *Coccinella undecimpunctata* L. \(Coleoptera: Coccinellidae\) under laboratory and field conditions](#)
Tabozada, E.O.K., El Arnaouty, S.A., El Heneidy, A.H.
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68. [Partial physicochemical and kinetic characterization of tomato plant protease inhibitors and proteases from the cotton leaf worm, *spodoptera littoralis* \(Boisd.\) \(Noctuidae: Lepidoptera\)](#)
Ali, F.A., Amin, T.R., Abdel-Ghany, A.M., Amin, L.R.
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