

## REFERENCES

1. Spices Board India. Overview: spice parks. Accessed July 10, 2022. <http://www.indianspices.com/spices-parks/overview-spices-parks.html>
2. FSSAI. Guidance Document & Standard Operating Procedures for fixation of Maximum Residue Limits (MRLs) of pesticides in food commodities. Published online March 16, 2022. Accessed June 1, 2022. [https://www.fssai.gov.in/upload/uploadfiles/files/Guidance\\_Document\\_SOP\\_MRL\\_16\\_03\\_2022.pdf](https://www.fssai.gov.in/upload/uploadfiles/files/Guidance_Document_SOP_MRL_16_03_2022.pdf)
3. US EPA. OECD Maximum Residue Limit Calculator. Accessed October 7, 2022. <https://www.epa.gov/pesticide-tolerances/oecd-maximum-residue-limit-calculator>
4. European Commission. SANTE/ 10704/2021, Information note on Article 20 of Regulation (EC) No 396/2005 as regards processing factors, processed and composite food and feed. Accessed October 7, 2022. [https://food.ec.europa.eu/system/files/2022-02/pesticides\\_mrl\\_guidelines\\_proc\\_imp\\_sante-2021-10704.pdf](https://food.ec.europa.eu/system/files/2022-02/pesticides_mrl_guidelines_proc_imp_sante-2021-10704.pdf)
5. European Spice Association recommends dehydration factors to assess pesticide residues on products of the spice industry,. Published September 16, 2008. Accessed October 7, 2022. <https://www.esa-spices.org/download/dehydrationfactorsjournalofconsumerprotectionandfoodsafety.pdf>
6. Food safety and standards (contaminants , toxins and residues) regulation 2011. Published online January 27, 2022. Accessed June 1, 2022. [https://fssai.gov.in/upload/uploadfiles/files/Compendium\\_Contaminants\\_Regulations\\_28\\_01\\_2022.pdf](https://fssai.gov.in/upload/uploadfiles/files/Compendium_Contaminants_Regulations_28_01_2022.pdf)
7. Shabeer TA, Girame R, Utture S, et al. Optimization of multi-residue method for targeted screening and quantitation of 243 pesticide residues in cardamom (*Elettaria cardamomum*) by gas chromatography tandem mass spectrometry (GC-MS/MS) analysis. *Chemosphere*. 2018;193:447-453.
8. Khan AU, Khan AU, Khanal S, Gyawali S. Insect pests and diseases of cinnamon (*Cinnamomum verum* Presl.) and their management in agroforestry system: A review. *Acta Entomology and Zoology*. 2020;1(2):51-59.
9. Bull DL. Fate and efficacy of acephate after application to plants and insects. *Journal of Agricultural and Food Chemistry*. 1979;27(2):268-272.
10. Nakayama A, Sukekawa M, Eguchi Y. Stereochemistry and active conformation of a novel insecticide, acetamiprid. *Pesticide science*. 1997;51(2):157-164.
11. Vakenti J, Campbell C, Madsen H. A strain of fruit tree leafroller, *Archips argyropilus*, tolerant to azinphos methyl in an apple orchard region of Okanagan valley of British Columbia. *The Canadian Entomologist*. 1984;116(1):69-73.

12. Jin L hua, Yu C, Chen C jun, WANG J xin, ZHOU M guo. Activity of azoxystrobin and SHAM to four phytopathogens. *Agricultural Sciences in China*. 2009;8(7):835-842.
13. Wolansky MJ, McDaniel K, Moser V, Crofton K. Influence of dosing volume on the neurotoxicity of bifenthrin. *Neurotoxicology and teratology*. 2007;29(3):377-384.
14. Stammler G, Brix H, Nave B, Gold R, Schoefl U, others. Studies on the biological performance of boscalid and its mode of action. In: *Modern Fungicides and Antifungal Compounds V: 15th International Reinhardtsbrunn Symposium, Friedrichroda, Germany, May 6-10, 2007*. Deutsche Phytomedizinische Gesellschaft eV Verlag; 2008:45-51.
15. Konno T. Buprofezin; a reliable IGR for the control of rice pests. In: *Pest Management in Rice*. Springer; 1990:210-222.
16. Hastings F, Holsten E, Shea P, Werner R. Carbaryl: a review of its use against bark beetles in coniferous forests of North America. *Environmental Entomology*. 2001;30(5):803-810.
17. Gbadegesin MA, Owumi SE, Akinseye V, Odunola OA. Evaluation of hepatotoxicity and clastogenicity of carbofuran in male Wistar rats. *Food and chemical toxicology*. 2014;65:115-119.
18. Hites RA. The rise and fall of chlorpyrifos in the United States. *Environmental Science & Technology*. 2021;55(3):1354-1358.
19. Rodrigues AR, Spindola AF, Torres JB, Siqueira HA, Colares F. Response of different populations of seven lady beetle species to lambda-cyhalothrin with record of resistance. *Ecotoxicology and environmental safety*. 2013;96:53-60.
20. Farag MR, Alagawany M, Bilal RM, et al. An overview on the potential hazards of pyrethroid insecticides in fish, with special emphasis on cypermethrin toxicity. *Animals*. 2021;11(7):1880.
21. Lamsal K, Ghimire BK, Sharma P, et al. Genotoxicity evaluation of the insecticide ethion in root of *Allium cepa* L. *African Journal of Biotechnology*. 2010;9(27):4204-4210.
22. Bushong P, Timmer L. Evaluation of postinfection control of citrus scab and melanose with benomyl, fenbuconazole, and azoxystrobin. *Plant Disease*. 2000;84(11):1246-1249.
23. Colliot F, Kukorowski K, Hawkins D, Roberts D. Fipronil: a new soil and foliar broad spectrum insecticide. In: *Brighton Crop Protection Conference-Pests and Diseases*. British Crop Protection Council; 1992.
24. Ju C, Xu J, Wu X, et al. Effects of hexaconazole application on soil microbes community and nitrogen transformations in paddy soils. *Science of The Total Environment*. 2017;609:655-663.

25. Elbert A, Becker B, Hartwig J, Erdelen C. Imidacloprid-a new systemic insecticide. *Pflanzenschutz-Nachrichten Bayer (Germany, FR)*. Published online 1991.
26. Jung JH, Addison R, Shim WJ. Characterization of cholinesterases in marbled sole, *Limanda yokohamae*, and their inhibition in vitro by the fungicide iprobenfos. *Marine environmental research*. 2007;63(5):471-478.
27. Konrad J, Chesters G, Armstrong D. Soil degradation of malathion, a phosphorodithioate insecticide. *Soil Science Society of America Journal*. 1969;33(2):259-262.
28. Smith J, others. The use of metalaxyl for the control of downy mildew disease. In: *UK, British Crop Protection Council: Proceedings of the 1979 British Crop Protection Conference, Pests and Diseases (10th British Insecticide and Fungicide Conference)*. Vol 2. ; 1980:331-339.
29. Yu Y, Zhou QX. Adsorption characteristics of pesticides methamidophos and glyphosate by two soils. *Chemosphere*. 2005;58(6):811-816.
30. Jaga K, Dharmani C. Methyl parathion: an organophosphate insecticide not quite forgotten. *Reviews on environmental health*. 2006;21(1):57-68.
31. Kaushik G. A review on phorate persistence, toxicity and remediation by bacterial communities. *Pedosphere*. 2022;32(1):171-183.
32. Kushwaha M, Verma S, Chatterjee S. Profenofos, an Acetylcholinesterase-Inhibiting Organophosphorus Pesticide: A Short Review of Its Usage, Toxicity, and Biodegradation. *Journal of Environmental Quality*. 2016;45(5):1478-1489.
33. Anco DJ, Hiers JB, Thomas JS. Improved management efficacy of late leaf spot on peanut through combined application of prothioconazole with fluxapyroxad and pyraclostrobin. *Agronomy*. 2020;10(2):298.
34. Pathan A, Parihar N, Sharma B. Dissipation study of quinalphos (25 EC) in/on brinjal and soil. *Bulletin of environmental contamination and toxicology*. 2012;88(6):894-896.
35. Kumar BV, Kuttalam S, Chandrasekaran S, others. Efficacy of a new insecticide spirotetramat against cotton whitefly. *Pesticide Research Journal*. 2009;21(1):45-48.
36. Yang FW, Li YX, Ren FZ, Wang R, Pang GF. Toxicity, residue, degradation and detection methods of the insecticide triazophos. *Environmental Chemistry Letters*. 2019;17(4):1769-1785.
37. Codex Alimentarius Commission. Codex MRL Database. Published 2021. Accessed February 1, 2022. <http://www.fao.org/fao-who-codexalimentarius/standards/pesticide-mrls/en/>