Chemical Factsheet

Tetraconazole

General Information

- Product Names:
  Eminent 125SL (Spicam)
  Domark 230 ME (Isargo S.p.A.)
  Mettle 125 ME (Isargo S.p.A.)
- Uses: Fungicide
- Alternatives: Organic agriculture
- Beyond Pesticides rating:

Health and Environmental Effects

See citations at end of document.

- Cancer: Not documented
- Endocrine Disruption: Not documented
- Reproductive Effects: Not documented
- Neurotoxicity: Not documented
- Kidney/Liver Damage: Not documented
- Sensitizer/ Irritant: Not documented
- Birth/Developmental: Not documented
- Detected in Groundwater: Not documented
- Potential Leacher: Not documented
- Toxic to Birds: Not documented
- Toxic to Fish/Aquatic Organisms: Not documented
- Toxic to Bees: Not documented

Additional Information

- Studies [compiled from the Pesticide-Induced Diseases Database]
  - Mixture effects of thiamethoxam and seven pesticides with different modes of action on honey bees (Aplis mellifera). Li, W. et al. (2023) Mixture effects of thiamethoxam and seven pesticides with different modes of action on honey bees (Aplis mellifera), Scientific Reports. Available at: https://www.nature.com/articles/s41598-023-29837-w#ref-CR30.
  - Triazole pesticides exposure impaired steroidogenesis associated to an increase in AHR and CAR expression in testis and altered sperm parameters in chicken. Serra, L., Bourdon, G., Estienne, A., Fréville, M., Ramé, C., Chevaleyre, C., Didier, P., Chahnamian, M., Ganier, P., Pinault, F., Froment, P., & Dupont, J. (2023). Triazole pesticides exposure impaired steroidogenesis associated to an increase in AHR and CAR expression in testis and altered sperm parameters in chicken. Toxicology reports, 10, 409–427. https://doi.org/10.1016/j.toxrep.2023.03.005
  - Evaluation of the Aquatic Toxicity of Several Triazole Fungicides. Boros, B.-V., Roman, D.-L., & Isvoran, A. (2024). Evaluation of the Aquatic Toxicity of Several Triazole Fungicides. Metabolites, 14(4), 197. https://doi.org/10.3390/metabo14040197
  - Occurrence and ecological risk of typical pesticides in a river–lake system. Qin, Y. et al.

(2025) Occurrence and ecological risk of typical pesticides in a river–lake system, Water Science and Engineering. Available at: https://www.sciencedirect.com/science/article/pii/S1674237025000833.

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