Home | About Us | Success Stories | Farmers Association | Farmers' Innovation | Publications | Contact

Search

Crop protection:: Pesticides::Antidodes

FIRST AID MEASURES AND ANTIDOTES RECOMMENDED FOR REGISTERED PESTICIDES

ORGANOPHOSPHORUS PESTICIDES

S.No	Name of the pesticide	Symptoms of poisoning	First aid measures	Treatment/antidote
1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28.	Acephate Anilophos Chlorfenvinphos Chlorpyriphos Diazinon Diclorovos (DDVP) Dimethoate Edifenphos Ethion Fenitrothion Fenthion Formothion Kitazin Malathion Methyl Parathion Oxydemeton-Methyl Phenthoate Phosalone Phosphamidon Primiphos methyl Profenophos Propetamphos Quinalphos Temephos Thiometon Triazophos Trichlorofon	weakness, anxiety, tremors of tongue and eyelids, miosis, impairment of visual acuity. Moderate – Nausea, salivation, lacrimation, abdominal cramp, vomiting, sweating, slow pulse, muscular tremors, miosis. Severe – Diarrhoea, pinpoint and non-reactive pupils, respiratory difficulty, pulmonary edema, cyanosis, loss of sphincter control, convulsions, coma and heart block.	If the victim is fully conscious, induce vomiting by tickling back of the throat. Do not administer milk,	1. Airway protection 2. Ensure clear airway 3. Intubate the patient & aspirate the secretion 4. Administer oxygen by mechanically assisted pulmonary ventilation, if respiration is depressed. 5. Improve tissue oxygenation before atropine to minimise risk of ventricular fibrillation 6. Atropine Adult & Children above 12 yrs.: 2-4 mg repeated every 15 minutes until pulmonary secretion controlled and atropinisation Children below 12 years: 0.05 – 0.1 mg/kg, repeat every 15 minutes. Minimum dose 0.1 mg in children. Maintain atropinisation by repeated dosing. Severely poisoned exhibit remarkable tolerance to atropine. Dose may be increased. Dosing interval may be increased. Continuous infusion may be needed. Nebulised atropine has been reported beneficial in respiratory distress. 1. Glycopyrolate Alternative to atropine. Ampules of 7.5 mg added to 200 ml of saline and infused. This is very good in case of respiratory infection. 1. Pralixodime (2PAM) To be used within 48 hour. Relieves nicotinic as well as muscarinic effect. Adult – 1.2 g i.v.infusion not more than 0.2 g/min. Children below 12 years – 20-50 mg/kg b.w. i.v.mixed with 100 ml and infused over 30 minutes, Maximum 30 mg. Children – 0.2-0.5 mg/kg i.v. Repeat every 5-10 minutes, Maximum 10 mg – above 5 years mg – below 5 years mg – below 5 years. Lorazepam Adult: 2-4 mg i.v over 2-5 minutes. Repeat if necessary. Maximum 8 mg – in 12 hours period. Adolescent: Same as adult – Maximum – 4 mg. Children under 12 years- 0.05 – 0.10 mg/kg i.v over 2-5 minutes. Repeat if necessary 0.05 mg/kg 10-15 minutes after dose. Max. 4 mg.

	Contra- indicators
	Morphine, succinyl choline, theophyllline, phenothiazines & reserpine.

Home | About Us | Success Stories | Farmers Association | Publications | Contact Us

© 2008 - 2023 TNAU. All Rights Reserved.