

**Crop protection:: Pesticides::Antidotes****FIRST AID MEASURES AND ANTIDOTES RECOMMENDED
FOR REGISTERED PESTICIDES****PARAQUAT COMPOUNDS**

S.No	Name of the pesticide	Symptoms of poisoning	First aid measures	Treatment/antidote
1.	Paraquat dichloride	<p>Nausea, vomiting, diarrhoea, burning pain in mouth, throat and upper abdomen, mouth/throat ulceration, concentrate of product is extremely irritating to skin and eyes. Inhalation of spray mist may lead to sore throat, husky voice and epistaxis, as a result of local irritation.</p> <p>Giddiness, headache, fever, diarrhoea and myalgia</p> <p>Proteinuria, haematuria, pyrexia, azotemia followed by oliguria/anuria</p> <p>Confirmatory test:</p> <ol style="list-style-type: none"> 1. Colorimetric Test to identify paraquat in urine. 2. Spectrophotometric method for paraquat in blood and urine. 	<p>Remove the person from the contaminated environment.</p> <p>In case of (a) skin contact – Remove all contaminated clothings and immediately wash with lot of water and soap; (b) Eye contamination – Wash the eyes with plenty of cool and clean water; (c) Inhalation – Carry the person to the open fresh air, loosen the clothings around neck and chest, and (d) Ingestion</p> <p>Medical aid: Take the patient to the doctor/Primary Health Centre immediately along with the original container, leaflet and label.</p>	<p>Perform gastric lavage. Give Fuller's Earth (an adsorbent) 300 ml of 30% aqueous suspension. Give mannitol 200 ml of 20% solution or 30 g of magnesium sulphate in 200 ml of water via gastric tube. Fuller's earth should be given as early as possible.</p> <p>If Fuller's earth is not available, give Bentonite 1 litre of 7.5% suspension or activated charcoal 50 to 100 g dissolved in 200 ml of water.</p> <p>Maintain a fluid balance chart. Give adequate oral or IV fluids.</p> <p>If acute renal failure is present, peritoneal dialysis or haemodialysis is indicated.</p> <p>If respiratory difficulty is present delay the use of oxygen as long as possible, because oxygen is harmful to lungs in paraquat poisoning.</p> <p>Sorbitol also 1-3 g of body weight to a maximum of 150 g is given to adult and 1-1.5 g of body weight for children up to 50 g.</p>