

Table 1: Signs and Symptoms of Acute Pesticide Poisoning by Severity Category

Organ System	Fatal	Severity Category		
		High Severe and life-threatening signs	Moderate Pronounced or Prolonged Signs and Symptoms	Low Mild, transient, and/or spontaneously resolving symptoms
Gastrointestinal System	Death	<ul style="list-style-type: none"> Massive hemorrhage/perforation of gut 	<ul style="list-style-type: none"> Diarrhea Melena Vomiting 	<ul style="list-style-type: none"> Abdominal pain, cramping Anorexia Constipation Diarrhea Nausea Vomiting
Respiratory System	Death	<ul style="list-style-type: none"> Cyanosis + Respiratory depression Pulmonary edema Respiratory arrest 	<ul style="list-style-type: none"> Abnormal pulmonary x-ray Pleuritic chest pain/pain on deep breathing Respiratory depression Wheezing Dyspnea, shortness of breath 	<ul style="list-style-type: none"> Cough Upper respiratory pain, irritation Dyspnea, shortness of breath
Nervous System	Death	<ul style="list-style-type: none"> Coma Paralysis, generalized Seizure 	<ul style="list-style-type: none"> Confusion Hallucinations Miosis with blurred vision Seizure Ataxia Slurred speech Syncope (fainting) Peripheral neuropathy 	<ul style="list-style-type: none"> Hyperactivity Headache Profuse sweating Dizziness Ataxia Peripheral neuropathy
Cardiovascular System	Death	<ul style="list-style-type: none"> Bradycardia/heart rate <40 for adults, <60 infants and children, <80 neonates Tachycardia/heart rate >180 for adults, >190 infants/children, >200 in neonates Cardia arrest 	<ul style="list-style-type: none"> Bradycardia/heart rate 40-50 in adults, 60-80 in infants/children, 80-90 in neonates Tachycardia/heart rate=140-180 in adults, 160-190 infants/children, 160-200 in neonates Chest pain + hyperventilation, tachypnea Conduction disturbance Hypertension Hypotension 	
Metabolism	Death	<ul style="list-style-type: none"> Acid Base disturbance (pH<7,15 or >7,70) 	<ul style="list-style-type: none"> Acid Base disturbance (pH = 7,15-7,24 or 7,60-7,69) Elevated anion gap 	<ul style="list-style-type: none"> Fever
Renal System	Death	<ul style="list-style-type: none"> Anuria Renal failure 	<ul style="list-style-type: none"> Hematuria Oliguria Proteinuria 	<ul style="list-style-type: none"> Polyuria
Muscular System	Death	<ul style="list-style-type: none"> Muscle rigidity + elevated urinary myoglobin + elevated creatinine 	<ul style="list-style-type: none"> Fasciculations Muscle rigidity Muscle weakness 	<ul style="list-style-type: none"> Muscle weakness Muscle pain
Local effects on skin	Death	<ul style="list-style-type: none"> Burns, second degree (involving >50% of body surface area) Burns, third degree (involving >2% of body surface area) 	<ul style="list-style-type: none"> Bullae Burns, second degree (involving <50% of body surface area) Burns, third degree (involving <2% of body surface area) 	<ul style="list-style-type: none"> Skin edema/swelling, erythema, rash, irritation/pain, pruritis Hives/urticaria
Local effects on eye	Death	<ul style="list-style-type: none"> Corneal ulcer/perforation 	<ul style="list-style-type: none"> Corneal abrasion Ocular burn 	<ul style="list-style-type: none"> Lacrimation Mydriasis Miosis Ocular pain/irritation/inflammation (diagnosis of conjunctivitis)
Other effects	Death			<ul style="list-style-type: none"> Fatigue Malaise

Source: Adapted from "Signs and symptoms [for pesticide active ingredients] by severity category" from SENSOR (Sentinel Event Notification System for Occupational Risk) Case Definition and Severity Index", National Institute for Occupational Safety and Health, United States.