

Mycotoxin Overview

TOXIN	MOLD	CROP AFFECTED	PREDISPOSING FACTORS	EFFECTS
Aflatoxin	Aspergillus flavus A. parasiticus	corn, rice, peanuts, milo, cottonseed, tree nuts	drought, excessive heat	reduced feed intake, reduced milk production, reduced immunity, liver cancer
Vomitoxin	Fusarium graminearum	corn, barley, wheat, midds, bran, flour, rice, malt	warm days, cool nights, high rainfall, floods	vomiting, feed refusal, diarrhea, weight loss, reduced milk production
Zearalenone	Fusarium graminearum	corn, barley, wheat, midds, bran, flour, rice, malt	warm days, cool nights, high rainfall, floods	vulvovaginitis, low birth weights, reduced litter sizes, abortions, swollen vents, reduced egg production
T-2	Fusarium spp.	corn, barley, wheat, midds, bran, flour, rice, malt	warm days, cool nights, high rainfall, floods	displaced abomasum, diarrhea, irregular heart rate, digestive tract damage, oral lesions in poultry
Ochratoxin	A. ochraceus Penicillium spp.	cereal grains, coffee	drought, excessive heat	retarded growth, feed refusal, nephropathy, kidney disfunction, mortality
Fumonisin	Fusarium moniliforme F. proliferatum	corn	drought or humidity & moisture	<i>equine</i> <i>leukoencephalomalacia</i> : blindness, head butting, and pressing, incoordination, death. <i>swine</i> : pulmonary edema, liver and pancreatic lesions.