

National mycotoxin regulations

According to the Foodstuffs, Cosmetics and Disinfectants Act (Act 54 of 1972) and Regulations Relating to the Maximum Levels of Mycotoxins in Foodstuffs published in Government Notice No. 5505 of 01 November 2024, the maximum allowable levels of mycotoxins in foodstuffs, are as follows:

Mycotoxins	Foodstuff	Notes/Remarks	Maximum Level (µg/kg or µg/L)
Aflatoxins, Total (B₁+B₂+G₁+G₂)	Almonds (whole commodity)	Ready-to-eat	10
	Almonds (whole commodity)	Intended for further processing	15
	Brazil nuts (shelled)	Ready-to-eat	10
	Brazil nuts (shelled)	Intended for further processing	15
	Hazelnuts (whole commodity)	Ready-to-eat	10
	Hazelnuts (whole commodity)	Intended for further processing	15
	Peanuts	Intended for further processing	15
	Pistachios (whole commodity)	Ready-to-eat	10
	Pistachios (whole commodity)	Intended for further processing	15
	Dried figs (whole commodity)	Ready-to-eat	10
	All other foodstuffs not specified (Ready-to-eat)	Of which Aflatoxin B ₁ is not more than 5 µg/kg	10
	Maize grain	Destined for further processing	15
	Flour, meal, semolina and flakes erived from maize		10
	Husked rice (whole commodity)		20
	Polished rice (whole commodity)		5
	Sorghum grain (whole commodity)	Destined for further processing	10
	Cereal-based food for Infants and young children	Whole commodity as sold; not reconstituted or otherwise prepared for consumption	5
	Chilli pepper, nutmeg (dried/dry)	Whole/Powder/Crushed/Ground	20
Aflatoxin M₁	Milk		0.5
Deoxynivalenol (DON)	Cereal-based food for Infants and young children	As sold; not reconstituted or otherwise prepared for consumption	200
	Flour, meal, semolina and flakes erived from wheat, maize or barley		1 000
	Cereal grains (wheat, maize and barley)	Destined for further processing	2 000
Fumonisin (B₁+B₂)	Raw maize grain (whole commodity)		4 000
	Maize flour and maize meal		2 000
Ochratoxin A	Wheat (whole commodity)		5
	Raw Barley		5
	Raw Rye		5
	Chilli pepper, paprike, nutmeg (dried/dry)	Whole/Powder/Crushed/Ground	20
Patulin	Apple juice (Excludes concentrated juice)		50

February 2010 and R. 789 of 10 September 2010, the maximum allowable levels of mycotoxins in animal feeds, are as follows:

Substance, Products	Farm Feeds	MAXIMUM CONTENT IN mg/kg (ppm) relative to a farm feed with a moisture content of 120 g/kg	MAXIMUM CONTENT IN µg/kg (ppb) relative to a farm feed with a moisture content of 120 g/kg
Aflatoxin B₁	Feed ingredients with the exception of:	0.05	50
	groundnut, copra, palm-kernel cotton seed, maize and products derived from the processing thereof	0.02	20
	Complete farm feeds for cattle, sheep and goats with the exception of:	0.05	50
	dairy cattle	0.005	5
	calves and lambs	0.01	10
	complete feeds for pigs and poultry (except young animals)	0.02	20
	other complete farm feeds (including pets)	0.01	10
	maize products intended for feedlots	0.3	300
	supplement/concentrates for cattle, sheep and goats (except for dairy animals, calves and lambs)	0.05	50
Deoxynivalenol (DON)	Feeding stuffs on a full ration basis for:		
	Pigs	1	1 000
	cattle	5	5 000
	calves up to 4 months	2	2 000
	dairy cattle	3	3 000
	poultry	4	4 000
	pets	1	1 000
Fumonisin B₁	Horses and pets	5	5 000
	Pigs	10	10 000
	Beef and poultry	50	50 000
	Fish	10	10 000
Ochratoxin A	Feeding stuffs on full ration basis for:		
	Pigs	0.05	50
	poultry	0.2	200
Zearalenone	Feeding stuffs on full ration basis for:		
	sows and pigs	5	5 000
	piglets	3	3 000
	calves and dairy cattle	0.5	500

