

EU Mycotoxin Action Levels











FOR CEREAL GRAINS & FEED




In the grain industry, we are at the core of the food and feed supply chain for our world. With that comes the responsibility to protect the health of the humans and animals that are nourished by our products. Staying informed about regulations and action levels is the first step to protecting food and feed safety by taking control of mycotoxin risk.



CEREAL		MAX LEVEL:	Aflatoxin - B1	Aflatoxin Total	DON	Fumonisin	Zearalenone	Ochratoxin	T-2/HT-2	Ergot Alkaloids
			ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppm
CEREALS	Cereals and All Products Derived from Cereals		2	4	-	-	-	-	-	-
	Unprocessed Cereal Grains		2	4	1000	-	100	5	50	200
	Cereals Placed on Market for Final Consumer		2	4	750	-	75	3	20	-
	Milling Products of Cereal		2	4	600	-	-	-	20	-
	Bran from Cereals (other than Oats & Milling Products of Maize)		2	4	-	-	-	-	50	-
BARLEY	Baby Food and Processed Cereals for Infants and Young Children		0.1	-	150	200	20	0.5	10	-
	Unprocessed Malting Barley Grains		2	4	1000	-	100	5	200	200
	Unprocessed Barley Grains Other Than Malting Barley Grains		2	4	1000	-	100	5	150	200
	Milling Products of Barley		2	4	600	-	-	-	20	50/150*
MAIZE	Placed on Market for Final Consumer		2	4	750	-	75	3	50	250
	Unprocessed Maize Grains		5	10	1500	4000	350	5	100	200
	Maize Placed on Market for Final Consumer		2	4	750	1000	100	3	50	-
	Milling Products of Maize - Placed on Market for Final Consumer		2	4	750	1000	75	3	20	-
	Milling Products of Maize - Not Placed on Market for Final Consumer		2	4	1000	2000	300	-	20	-
OATS	Maize-Based Breakfast Cereals and Snacks		2	4	400	800	-	-	50/75**	-
	Maize for Popping and Popcorn		2	4	750	1000	-	3	50	-
	Unprocessed Oat Grains with Inedible Husk		2	4	1750	-	100	5	1250	200
	Oats Placed on Market for Final Consumer		2	4	750	-	75	3	100	250
WHEAT	Milling Products of Oats (Including Oat Bran)		2	4	600	-	-	-	100	50/150*
	Oat Flakes		2	4	-	-	-	-	100	-
	Durum Wheat - Unprocessed Durum Wheat Grains		2	4	1500	-	100	5	50	200
	Durum Wheat - Placed on Market for Final Consumer		2	4	750	-	75	3	50	250
	Durum Wheat-Based Breakfast Cereals		2	4	400	-	50	3	50/75**	-
	Milling Products of Wheat		2	4	600	-	-	-	20	50/150*
			2	4	-	-	-	8	-	400
			2	4	750	-	75	3	50	-

FEED & FEED INGREDIENTS		MAX LEVEL:	A-B1	A-T	D	F	Z	O	T	E
			ppb	ppb	ppm	ppm	ppm	ppm	ppm	ppb
	Compound Feed for Cats - Other than Reproduction		-	-	5	-	0.2	0.01	0.05	-
	Compound Feed for Cats - For Reproduction		-	-	5	-	0.1	0.01	0.05	-
	Compound Feed for Cats - Kittens		-	-	5	-	0.1	-	0.05	-
	Complete/Compound Feed for Cattle		10	-	5	50	-	-	-	-
	Complete/Compound Feed for Cattle - Dairy		5	-	5	-	0.5	-	-	-
	Complete/Compound Feed for Cattle - Calves		5	-	2	20	0.5	-	-	-
	Complementary Feed for Cattle		10	-	-	-	-	-	-	-
	Compound Feed for Dogs - Other than Reproduction		-	-	2	-	0.2	0.01	-	-
	Compound Feed for Dogs - For Reproduction		-	-	2	-	0.1	0.01	-	-
	Compound Feed for Dogs - Puppies		-	-	2	-	0.1	-	-	-
	Compound Feed for Fish		-	-	5	10	-	-	-	-
	Complete/Compound Feed for Goats		10	-	5	50	0.5	-	-	-
	Complementary Feed for Goats		10	-	-	20	0.5	-	-	-
	Compound Feed for Goats - Kids		5	-	2	20	0.5	0	-	-
	Complete/Compound Feed for Pigs		20	-	0.9	5	-	0.05	-	-
	Complete/Compound Feed for Pigs - Piglets & Gilts		-	-	-	-	0.1	-	-	-
	Complete/Compound Feed for Pigs - Sows & Fattening Pigs		-	-	-	-	0.25	-	-	-
	Complementary Feed for Pigs (except young animals)		10	-	-	5	-	-	-	-
	Complete/Compound Feed for Poultry		20	-	5	20	-	0.1	-	-
	Complementary Feed for Poultry (except young animals)		10	-	5	-	-	0.1	-	-
	Complete/Compound Feed for Sheep		20	-	5	-	0.5	-	-	-
	Complete/Compound Feed for Sheep - Lambs		5	-	2	20	0.5	-	-	-
	Complementary Feed for Sheep (except young animals)		10	-	-	20	-	-	-	-
	Other Complete/Compound Feed		10	-	-	-	-	-	-	-
	Other Complementary Feed		-	-	-	-	-	-	-	-
	All Feed Containing Unground Cereals		-	-	-	-	-	-	-	1000
	Feed Materials - Other		20	-	-	-	-	-	-	-
	Feed Materials - Cereals and Cereal Products		20	-	8	-	2	0.25	-	-
	Feed Materials - Maize and Maize Products		20	-	12	60	3	-	-	-

*50 ppb - Ash content lower than 900 mg/100 g dry matter OR 150 ppb - Ash content equal or higher than 900 mg/100 g
**50 ppb - Consisting of at least 50% cereal bran, milling products of oat grains, milling products of maize grains, whole oat grains, barley grains, maize grains or durum wheat grains and < 40% oats OR 75 ppb - > 40% oats

 This resource has been consolidated and simplified from the sources below. Some ingredients and finished foods have been omitted for ease of use. For the most complete, accurate, and up-to-date information, always verify action levels with regulatory sources.



Commission Regulation (EU) 2023/915 of 25 April 2023 on maximum levels for certain contaminants in food and repealing Regulation (EC) No 1881/2006



Commission Regulation (EU) 2024/1022 of 8 April 2024 amending Regulation (EU) 2023/915 as regards maximum levels of deoxynivalenol in food



Commission Regulation (EU) 2024/1038 of 9 April 2024 amending Regulation (EU) 2023/915 as regards maximum levels of T-2 and HT-2 toxins in food*



Directive 2002/32/EC of the European Parliament and of the council of 7 May 2002 on undesirable substances in animal feed



Commission Recommendation of 17 August 2006 on the presence of deoxynivalenol, zearalenone, ochratoxin A, T-2 and HT-2 and fumonisins in products intended for animal feeding



Commission Recommendation (EU) 2016/1319 of 29 July 2016 amending Recommendation 2006/576/EC as regards deoxynivalenol, zearalenone and ochratoxin A in pet food