

## Central Testing Lab

### Interpretation Guideline for Mycotoxin on Forage and Grains

Test Package	Mycotoxin	Molds That Produce Mycotoxin	Upper Limit	Predetermined Dangerous Levels						
					In Cattle (SC/CS/Hay)	In Dairy Cows	In Swine /Gilt diet			
9M	Aflatoxin	<i>Aspergillus</i>	20 ppb (CFIA)	Low	<5.0 - 10 ppb	<20 ppb	100 ppb			
				Mid	10.0 - 20 ppb	20 - 100 ppb	200 ppb			
				High	20 ppb or more	100 ppb or more	300 ppb			
			20 ppb (USDA)		300 ppb	0.5 ppb	>100 ppb			
				20 ppb (EU)	Low		5 ppb			
					Mid		10 ppb			
			High			20 ppb or more				
			6M	Zearalenone	<i>Fusarium</i>	6000 ppb (CFIA)	Low	<1000 ppb		<200 ppb /1000 ppb
							Mid	1100 - 6000 ppb		<450 ppb
High	>6000 ppb						>500 ppb /3000 ppb			
5000 ppb (USDA)	Low						100 ppb			
	Mid									
	High						5000 ppb			
3000 ppb (EU)	Low					500 ppb or more	250 ppb /100 ppb			
	Mid	2000 ppb								
	High	3000 ppb								
5M	Vomitoxin	<i>Fusarium</i>	5.0 ppm (CFIA)	Low	<1.0 ppm	<1.0 ppm	<1.0 ppm			
				Mid	1.1 - 5.0 ppm	Approx 1.0 ppm	Approx 1.0 ppm			
				High	>5.0 ppm	>1.0 ppm	>1.0 ppm			
			10 ppm (USDA)	Low	10 ppm	<1.0 ppm	5 ppm			
				Mid		Approx 1.0 ppm				
				High		>1.0 ppm				
			5 ppm (EU)		5 ppm	5 ppm	0.9 ppm			
			7M	T-2 Toxin & HT-2 Toxin	<i>Fusarium</i>	100 ppb (CFIA)		100 ppb	25 ppb	<1000 ppb
						500 ppb (USDA)		500 ppb		
2000 ppb (EU)	Low	250 ppb								
	Mid	500 ppb								
	High	2000 ppb								

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8M	Fumonisin	<i>Fusarium</i>	60000 ppb (CFIA)		60000 ppb	60000 ppb	20000 ppb
			30000 ppb (USDA)	Low	10000 ppb	30000 ppb	10000 ppb
				Mid			
				High			20000 ppb
50000 ppb (EU)		50000 ppb		5000 ppb			
10M	Ochratoxin	<i>Penicillium, Aspergillus</i>	2000 ppb (CFIA)	Low	>2000 ppb		200 ppb
				Mid			
				High		2000 ppb	
			3000 ppb (USDA)		>3000 ppb		
250 ppb (EU)			250 ppb or more	50 ppb			
Part of 5F	Ergot Alkaloids	Many factors affect the toxicity of Ergot Alkaloids, caution is advised when environmental conditions change which can cause gangrene of the extremities. Reduced milk production and growth or neurological excitation may be observed in poisoned animals.	3000 ppb (CFIA)	Low	2000 ppb		4000 ppb
				Mid			
				High	3000 ppb		6000 ppb
			(USDA)		Not available		
1000 ppb (EU)			1000 ppb				

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