



CUMBERLAND VALLEY ANALYTICAL SERVICES

"Laboratory services for agriculture ... from the field to the feed bunk"

Farm: **APPLE VALLEY**
Desc: **CORN GRAIN**
Submitter: **WARD, RALPH**
Account: **CVAS**

Copies to:

Lab ID: **12345 097**
Sampled:
Arrived: **09/09/2022**
Completed: **09/16/2022**
Reported: **09/16/2022**

TOXIN SCREEN	RESULT	TESTED LEVEL, DM BASIS	METHOD	DETECTION LEVEL
Aflatoxin B1	NON-DETECT		LC/MS	1.00 ppb
Aflatoxin B2	NON-DETECT		LC/MS	1.00 ppb
Aflatoxin G1	NON-DETECT		LC/MS	1.00 ppb
Aflatoxin G2	NON-DETECT		LC/MS	1.00 ppb
Deoxynivalenol	POSITIVE	0.5 ppm	LC/MS	0.10 ppm
Zearalenone	POSITIVE	104.9 ppb	LC/MS	12.50 ppb
Ochratoxin	NON-DETECT		LC/MS	1.00 ppb
T2	NON-DETECT		LC/MS	5.00 ppb
HT2	POSITIVE	6.2 ppb	LC/MS	5.00 ppb
Fumonisin B1	POSITIVE	0.6 ppm	LC/MS	0.10 ppm
Fumonisin B2	POSITIVE	0.2 ppm	LC/MS	0.10 ppm
Fumonisin B3	NON-DETECT		LC/MS	0.10 ppm

**Guide for Interpretation of Mycotoxin Tests
Toxin Level in Total Ration Dry Matter
Source: Mycotoxins in Feeds: CVM's Perspective**

Mycotoxin	Maximum Concentration	Type of Livestock
Aflatoxin	20 ppb	Dairy Cattle and Calves
	100 ppb	Breeding Cattle, Breeding Swine and Mature Poultry
	300 ppb	Finishing Cattle and Swine
Deoxynivalenol	5 ppm	Ruminating Beef, Feedlot Cattle and Chickens
	0.5 ppm	Swine: Feeder pigs and prepubertal gilts
	1 ppm	Swine: Finishing pigs, breeding herd and boars
	1 ppm	Veal Calves
	2 ppm	All other animals
Zearalenone	300 ppb	Breeding Swine, Young Swine
	500 ppb	Young Males (intact)
	500 ppb	Feeder Swine
	2,000 ppb	Older Boars and Finishing Pigs
	No acceptable levels	Layer Chickens
	> 10,000 ppb	Broiler Chickens
	25,000 ppb	Lactating Dairy Cows
5,000 ppb	Beef Feeder Cattle	
500 ppb	Cattle (dairy and beef); Virgin Heifers	
T-2 Toxin	100 ppb	Young Swine (both sizes); replacement swine (no data)
	300 ppb	Adult Breeding and Older Feeder Swine
	500 ppb	Dairy Cows and Feeder Cattle
	500 ppb	Layer Hens
	750 ppb	Broilers
Fumonisin	5 ppm	Horses
	10 ppm	Swine
	50 ppm	Cattle



Cumberland Valley Analytical Services, Inc.



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