

MEASURE AND MANAGE

Vomitoxin Levels in Ontario Wheat and Barley (2000)

VOMITOXIN (ppm)	PERCENT OF SAMPLES	
	<u>WHEAT</u>	<u>BARLEY</u>
<0.5	3.7	22.6
0.5-1.0	4.8	16.1
1.0-2.0	12.8	22.6
2.0-4.0	31	16.1
4.0-6.0	27.8	12.9
>6.0	19.8	9.7

Notes:

1. The tests were carried out by ELISA technique (Veratox, Neogen Corporation).
2. Total Samples represented in the table: 31 Barley, 187 Wheat.

Agriculture and Agri-Food Canada guidelines for vomitoxin levels in animal feed are:

- For pigs, calves, lambs, lactating cows and ewes, 1 ppm (ug/g) in the diet
- For adult cattle, adult sheep and poultry, 5 ppm (ug/g).

U.S. FDA guidelines are:

- 10 ppm (ug/g) in grains and by-products destined for chickens or ruminating beef or cattle older than four months provided these products do not exceed 50% of the diet.
- 5 ppm (ug/g) in products that will make up no more than 20% of the diet of swine.
- 5 ppm (ug/g) for all other animals in products that will be no more than 40% of the diet.
- The U.S. FDA guidelines are equivalent to the Canadian guidelines.

VOMITOXIN IN WHEAT AND BARLEY IN ONTARIO (YR. 2000)

