

## September 2010 Service Bulletin

### Canada's Outdoor Farm Show:

This year's annual show runs from Sept. 14<sup>th</sup> to 16<sup>th</sup>. Stop in to our exhibit site on 1<sup>st</sup> Lane North for a demonstration of our web-based tools and features, such as customizable fertility recommendations.



Can you predict which hay has the best quality, or how much fertility the site soil has?

Our staff will accept samples brought to our location, help with re-stocking sampling supplies, and answer any questions you may have about our analytical and field services.

### Corn Silage:

The harvest of corn silage has begun in many locales, as the maturity is well ahead of normal for this time of year. Corn silage moisture is dropping between 0.75 and 1.0 points per day. It is important to monitor whole plant moisture, even as kernel maturity may be lagging behind.

Optimum moisture levels depend on storage facilities:

- 68 to 70% for piles, bags, and bunkers
- 64 to 67% for tower silos (less 2% for each 10 feet above 60 foot elevation)
- 58 to 62% for oxygen limiting storages

### Toxins in Wheat Grain:

The 2010 wheat growing season saw very humid and moist weather, which offered prime conditions for the development of fusarium head blight. Timely fungicide application is the key to reducing the incidence of fusarium. The occurrence of fusarium does not necessarily lead to toxin formation. Testing the wheat is the only way to detect its presence. The table below shows 2010 results to date.

Wheat				
Vomitoxin (DON)	58	> 6.00 ppm	8.6%	
		4.00 - 6.00 ppm	8.6%	
		2.00 - 4.00 ppm	22.4%	
		1.00 - 2.00 ppm	15.5%	
		0.20 - 1.00 ppm	37.9%	
		< 0.20 ppm	6.9%	
Zearalenone	9	> 0.40 ppm	0.0%	
		0.20 - 0.40 ppm	11.1%	
		0.10 - 0.20 ppm	11.1%	
		0.05 - 0.10 ppm	22.2%	
		< 0.05 ppm	55.6%	