

NuLin[®] - A Healthier Flax

NuLin flax is an exciting new crop opportunity from Viterra's flax breeding program. NuLin is agronomically similar to other traditional flax varieties and continues to see similar demand in many traditional end-use markets. Producers who grow NuLin benefit from a premium quality flax and gain access to premium end-use markets.

NuLin Agronomics:

The following table summarizes data from the 2005-2010 NuLin Contract Registration Trials comparing NuLin VT 50 to CDC Bethune.

	NuLin VT 50	CDC Bethune
Yield (% CDC Bethune)	100.7%	100%
Maturity (days)	104	101
Height (inches)	21.6	23.6
1000 Seed Weight (g)	5.0	5.6
Lodging	1.3	1.3
Omega-3 Content	68.6%	43.6%
Total Oil Content	48.3%	45.3%

Maturity was determined from days to seeding to physiologic maturity. Lodging: 1 (upright) to 9 (flat). NuLin VT 50 is available with a production contract.



Accessing New Markets:

NuLin flax is a versatile crop that has end-uses in many different areas include:

Food Oil

- Expeller crush to produce high quality oil
- Food enrichment with omega-3 – margarine, yogurt, etc

Whole Seed

- Broad based nutrition: oil, protein, soluble and insoluble fibre, phytochemicals (lignans, antioxidants), vitamins, minerals
- Bakery: toppings, multi-grain, ground into "flour"
- Pet food: valuable source of omega-3
- Chicken feeds: as a feed ingredient for production of omega-3 in eggs

Meal (3% residual oil) or Cake (8% residual oil)

- Livestock industry, mainly ruminant feeds: high protein, residual oil and energy
- Extraction of protein for high nutritional value protein isolates
- Extraction of lignans – natural source plant estrogen

Industrial Oil

- Linoleum floor coverings
- Polymerized oil producing variable viscosity for applications in printing inks, paints, chemicals
- Boiled oil for wood preservatives