

Nutrient Management

Jp2g Personnel are OMAFRA-Certified to Complete Nutrient Management Strategies & Plans and Develop NASM Plans

What is Nutrient Management?

Nutrient management involves the storage and land application of prescribed materials generated at farms and from other sources. Jp2g helps manage the storage of these materials in addition to their land application by balancing soil properties with the needs of crops. Jp2g helps farmers take advantage of nutrients from these sources in a safe and cost-efficient way.

Nutrient Management Strategies & Plans

Jp2g's team is certified to provide farm operators with 5-year nutrient management strategies and plans as required under the *Nutrient Management Act (NMA), 2002*. This type of service is used by farm operators looking to expand or modify their farm operations, manage manure and runoff, and to meet other regulatory guidelines specified in the *NMA, 2002*. Jp2g can help farmers who are required to have a nutrient management strategy/plan, providing operators with best management practices and cost-saving strategies for manure management and crop operations.

Non-Agricultural Source Materials (NASM) - a Sustainable Solution

Non-Agriculture Source Materials (NASM) are byproducts produced by industry such as sewage biosolids, pulp and paper biosolids, and wood ash. NASMs can be used for beneficial agricultural land application, providing valuable nutrients to soil and crops. We work with municipal and private-sector clients to complete field assessments, obtain approvals, and determine the land application rates and limitations of their NASMs. We help our clients understand legislation under *Ontario Regulation 267/03, NMA, 2002* and the requirements for achieving the proper approvals for NASM land application.



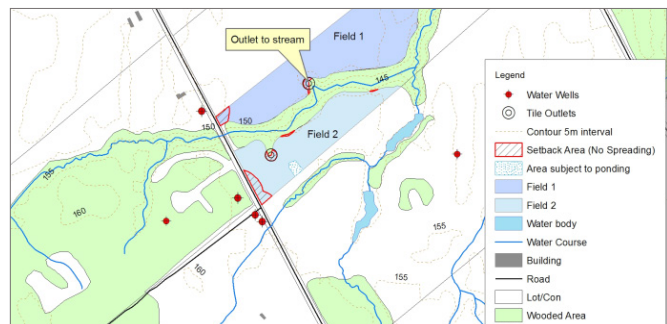
Services

- Project Management
- Nutrient Management Strategies & Plan Development
- NASM Plan Development
- Surface Water Impact Mitigation
- Groundwater Impact Mitigation
- Soil Science

How Jp2g Can Help

Jp2g's personnel are certified by OMAFRA to complete the approvals documentation for 5-year nutrient management strategies and plans and for NASM plan development.

Jp2g has provided nutrient management consulting to clients throughout Eastern Ontario to help them abide by provincial legislation. We work with our clients to reduce environmental and monetary costs associated with livestock facilities and waste disposal. We support farm operators in following applicable regulations, providing more sustainable solutions and practices for agricultural operations. This includes helping clients define the beneficial agricultural uses of livestock manure, controlling runoff and industry by-products, and approving fields for the spreading of these potentially beneficial products.



Field Input Description	Agronomic (kg/ha)			Crop Removal (kg/ha)		
	N	P205	K2O	N	P205	K2O
Previous Material N Credit 1 application	2	0	0	2	0	0
Beans, dry edible - white @ 2 tonne/ Planted: May 20, 2019 Harvested: October 15, 2019	-60	0	-110	-83	-28	-28
Fert App Blend4 May 20, 2019 Custom @ 235 kg/ha Total Applied: 1974 kg	7	13	30	7	13	30
UAN July 1, 2019 Custom @ 262 L/ha Total Applied: 2200.8 L	29	0	0	29	0	0



A sustainable nutrient management strategy reduces or eliminates the need for commercial lime and fertilizers.



Four generations of the Smith Family, owners of Bee Gee Farms and Custom Work, are working with Jp2g Consultants Inc. on an Ash Management Program with the Roseburg Multi-density Fiber Board Plant in Pembroke, ON. This program involves a Non-Agricultural Source Material (NASM) Plan for the use of the plant's ash byproduct as both a liming agent and nutrient fertilizer.

The Jp2g Team



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