

From: Nemeth, Deanna (OMAFRA) <[REDACTED]>
Sent: Thursday, May 20, 2021 12:25 PM
To: Sarah Merrifield <[REDACTED]>; Krista Royal <[REDACTED]>
Cc: Carter, Lauren (OMAFRA) <[REDACTED]>; Steffler, Camille (OMAFRA) <[REDACTED]>
Subject: Follow up for The Blue Mountains Council and correspondence from Lorraine Sutton

Dear Ms. Merrifield and Ms. Royal:

Thank you for your recent inquiry which was forwarded to me by the Honorable Ernie Hardeman, Minister of Agriculture, Food and Rural Affairs, regarding Nitrous Oxide.

The Ministry continues to promote agricultural best management practices that improve high quality food production while reducing environmental impacts, including Greenhouse Gas Emissions of Nitrous oxide.

Nitrous oxide is not directly applied to agricultural soils; it is naturally occurring compound that is released from soil and as a by-product of nitrogen fertilizer application. Nitrous oxide is not an ingredient in RoundUp.

The two largest-acreage crop that receive nitrogen fertilization in Grey County are grain corn and winter wheat. According to OMAFRA statistics, 31,500 acres of grain corn and 30,300 acres of winter wheat were seeded for the 2020 growing season. These acres would have received nitrogen fertilizer and/or manure applications to provide nitrogen for the crops. To find out average rates and application methods of nitrogen fertilizer to major field crops, you can access Fertilizer Canada's Fertilizer Use Survey (<https://fertilizercanada.ca/our-focus/stewardship/fertilizer-use-survey/>). This website provides detailed information on fertilizer practices in Eastern Canada, including Ontario. For more information, including the OMAFRA statistics webpage for field crops, please visit this website: <http://www.omafra.gov.on.ca/english/stats/crops/index.html>.

Kind regards,

Deanna Németh, Field Crops Manager
Ontario Ministry of Agriculture Food and Rural Affairs



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