

Snow mould trial on winter triticale – farmer protocol

Objectives

1. To determine the effect of fall foliar applied sulphur on winter triticale for the suppression of snow mould.

Treatments

- The on-farm trial for snow mould consists of strips with and without sulphur applied:
 1. Check: No fall sulphur and no fungicide
 2. 0.7 lbs/ac of S applied foliar (source of sulphur can be up to the discretion of the grower but must be foliar applied)
 3. Fungicide (Miravis Neo or Priaxor)
- Three replicates minimum
- Field length strips (minimum 200 m)
- Strips must be randomized (see example below)
- Each strip must be at least one width of the applicator, which must be weighed at harvest.
- Other requirements: all other fertility and crop protection treatments are the same across all plots.

Measurements to be gathered by grower:

- Contact OMAFA staff to arrange forage yield measurements **prior to harvest**.
- Note any snow mould and which treatment(s) it occurs in and take photos. Submit photos to Christine O'Reilly at Christine.OReilly@ontario.ca.

Background information to be gathered by OMAFA and agronomist team from grower:

- Crop information: Variety used, planting date, target population, starter fertilizer program, herbicide use, etc.
- Crop rotation history (past 3 years minimum)
- Soil series or type
- Recent soil test
- History of manure use

- Sample of each treatment in order to conduct quality analysis

Example plot design. Randomization of treatments is just an example and can vary at each site.

Headland	101	Check: No fall sulphur and no fungicide
	102	0.7 lbs/ac of S applied foliar
	103	Fall Fungicide (Miravis Neo or Priaxor)
	201	0.7 lbs/ac of S applied foliar
	202	Fall Fungicide (Miravis Neo or Priaxor)
	203	Check: No fall sulphur and no fungicide
	301	Fall Fungicide (Miravis Neo or Priaxor)
	302	Check: No fall sulphur and no fungicide
	303	0.7 lbs/ac of S applied foliar

If you have any questions, please contact Christine O'Reilly at Christine.OReilly@ontario.ca or 705-341-4899.