

Response of Creeping Red Fescue Seed Crops to the Fungicide Nexicor 2020 to 2023 Peace River Region

The Seed Head #33

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Trials Conducted By: SARDA Ag Research and Peace Region Forage Seed Association

Objectives

- To evaluate the effects of the fungicide Nexicor (fluxapyroxad+pyraclostrobin+propiconazole) on creeping red fescue seed crops.

Trial Details

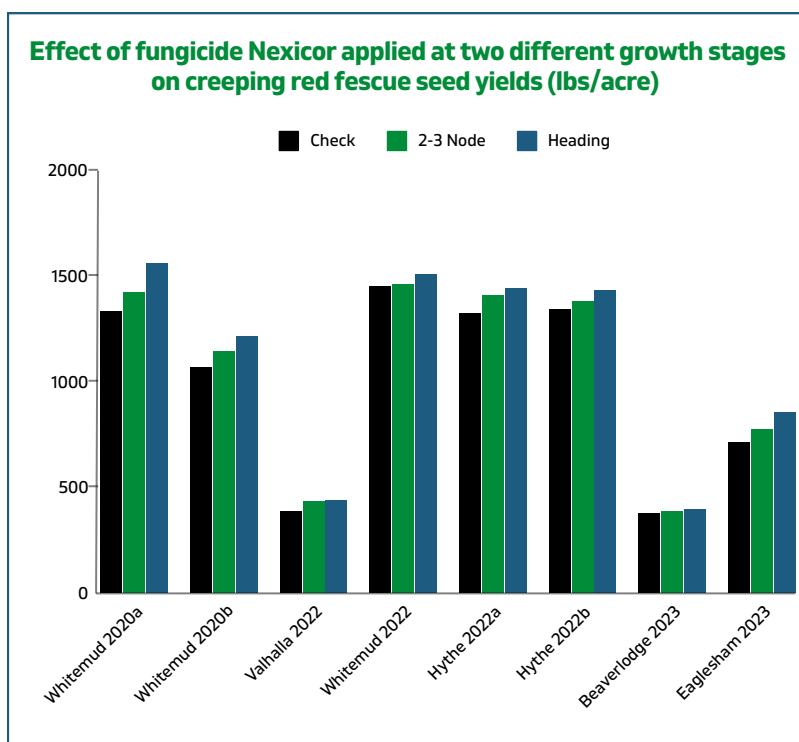
- Eight treatment small plot replicated trials completed on Peace Region grower fields from 2020-2023.
- Nexicor at 500 ml/acre applied at two growth stages: 2-3 node and heading.
- Data collected: seed yields, dockage and bushel weight. No disease ratings were conducted.

Results

- While the application of Nexicor showed small to moderate increases in seed yields over the check, applications at heading significantly increased seed yields at four of the eight sites.
- There was a strong trend for higher seed yields when Nexicor applications were made at the heading stage vs the 2-3 node stage.
- There was a strong trend for increased bushel weights following the application of Nexicor.
- Differences in seed yield among sites is attributed to soil and moisture conditions. The presence of disease may have also been a factor in yield response but disease assessments were not conducted.

Recommendations and Learnings

- Creeping red fescue seed crop showed good seed yield responses to Nexicor, particularly when applied at heading.
- The SRP cost for Nexicor in 2023 was \$15.00/acre. The increases in seed yield more than justified the cost of application at most sites.
- Future trials should include disease assessments.
- There are currently no grass seed crops on the Nexicor label. A URMULE to add creeping red fescue seed crop to the Nexicor label should be considered.



Creeping red fescue seed yield responses following the application of Nexicor applied at two different growth stages.

Stage	Sites	Average increase in seed yield over untreated check		Range of increase in seed yield over untreated check	
		lbs/acre	%	lbs/acre	%
2-3 node	8	52	106	12-90	101-112
Heading	8	107	111	21-224	104-120

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