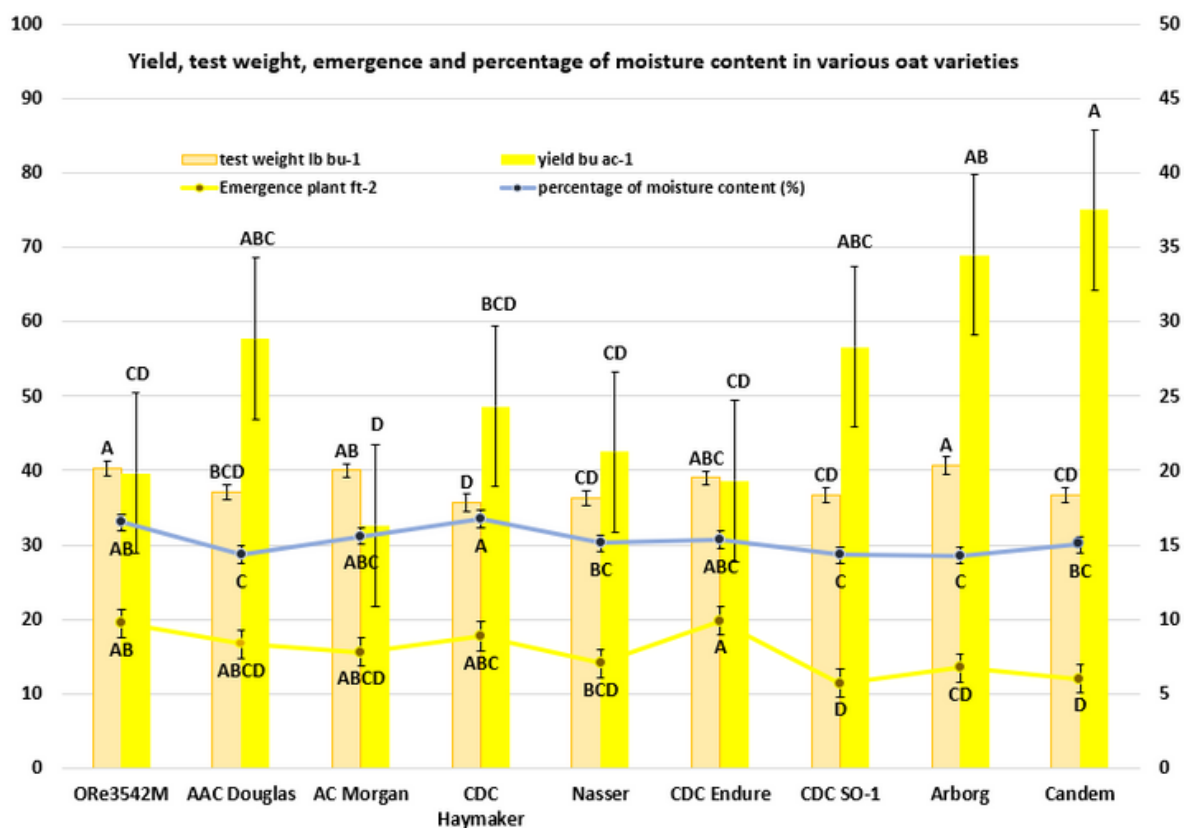


# OAT VARIETY TRIAL RESULTS - 2021



Oat varieties were significantly different among each other. While greater number of plants per square foot were found in the CDC Endure variety, CDC SO-1 had the lowest ( $P=0.0369$ ). As for percentage of moisture content, AAC Douglas, CDC SO-1 and Arborg varieties had less moisture compared to CDC Haymaker ( $P=0.0269$ ). ORe3542M and Arborg varieties had the highest test weight compared to the lower test weight found in the CDC Haymaker variety ( $P=0.0095$ ). Moreover, yield was greater in the Candem variety compared to the AC Morgan variety which was the least yielding ( $P=0.0130$ ).

In general terms, Candem was the highest yielding variety even though it had the lowest number of emergent plants per square foot and a similar test weight to CDC Haymaker, which had the lightest test weight among all varieties.

## Seeding, Maintenance, and Harvest Information

Cereal Variety Trials (Feed Barley, Malt Barley, Oat, Canada Western Red Spring Wheat, and Canada Prairie Spring Wheat) - Seeding, Maintenance, and Harvest Information*									
Seeding**				Maintenance				Harvest***	
		Fertilizer		Herbicide		Insecticide			
Date	Depth	Date	Product	Date	Product	Date	Product	Date	
May 17 ◊	1 in.	May 17	46-0-0-0 (140 lb ac <sup>-1</sup> )	May 16	RT 540 (0.66 L ac <sup>-1</sup> )	Jun. 29	Coragen (0.101 L ac <sup>-1</sup> )	Aug. 30 ◊	
May 20 ◻	1 in.	May 17 ◊	13-33-0-15S (100 lb ac <sup>-1</sup> )	Jun. 14	Prestige A (0.32 L ac <sup>-1</sup> )	Jul. 14	Coragen (0.101 L ac <sup>-1</sup> )	Sep. 21 ◊	
		May 20 ◻	13-33-0-15S (100 lb ac <sup>-1</sup> )	Jun. 14	Prestige B (0.81 L ac <sup>-1</sup> )			Oct. 5 ◻	
				Sep. 3 ◊	Roundup Transorb HC (1 L ac <sup>-1</sup> )				
				Oct. 1 ◻	Liberty 150 SN (1.4 L ac <sup>-1</sup> )				

◊ Canada Western Red Spring Wheat and Canada Prairie Spring Wheat (Seeded to 30 plants ft<sup>-2</sup>)

◻ Malt Barley and Feed Barley (Seeded to 29 plants ft<sup>-2</sup>)

◻ Oat (Seeded to 30 plants ft<sup>-2</sup>)

\* All treatments were set-up as a randomized complete block design (RCBD) with four replicates.

\*\* All plots seeded with Fabro no-till seed plot disc drill with planter-mounted coulters.

\*\*\* All plots harvested with Wintersteiger Nurserymaster Expert plot combine.

Note: Dates and treatments applicable to all trials referenced in each respective chart unless specified.