Regional Silage Variety Trials, 2017

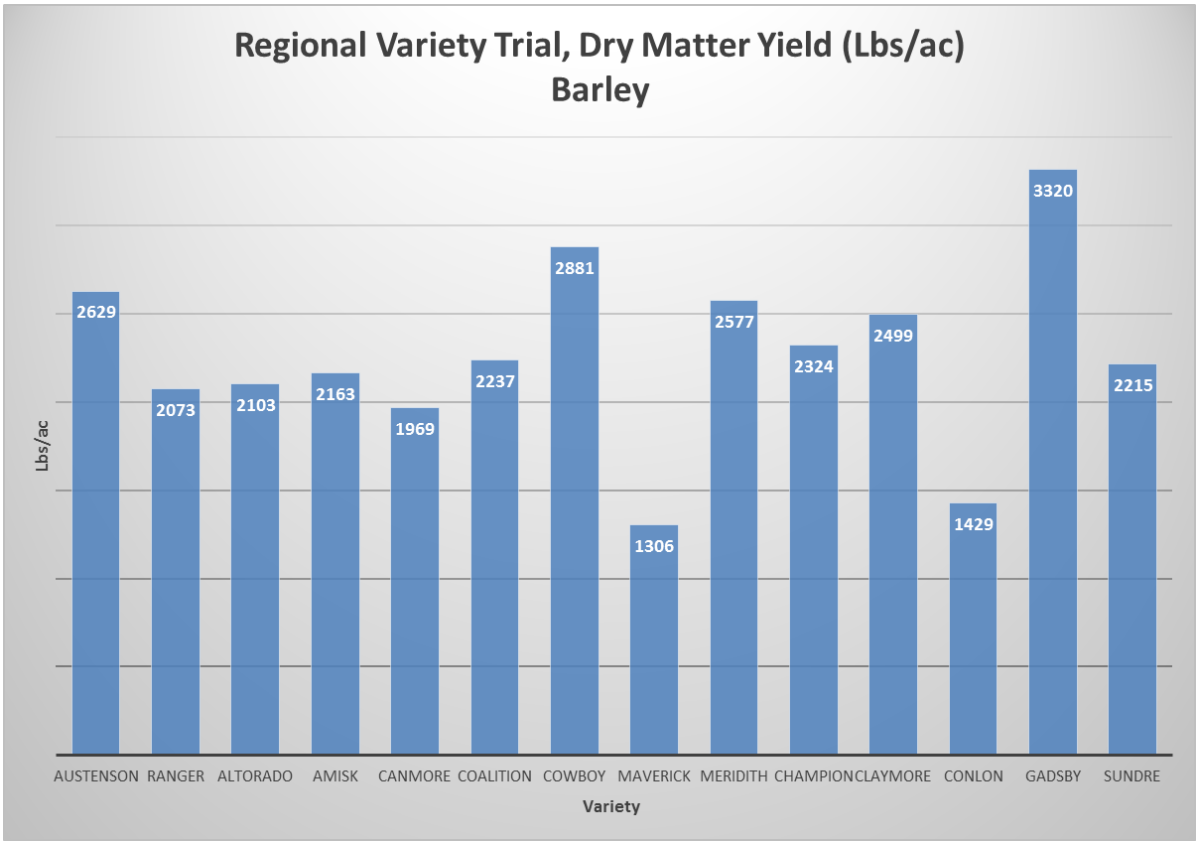
The information in this report is specific to the trials at WCFA's Wildwood Forage Research Site.

Location: WCFA Forage Research Site, Wildwood AB
Soil type: Gray wooded soil zone 0-1 % slope
Fertilizer: Blend N-78, P-50, K-0, S-1.9 lbs/ac
Seeding date: June 5th, 2017
Herbicide applications: Pre-burn Glyphosate, MCPA Anime 600

BARLEY

The varieties that showed highest dry matter (DM) yield:

1. Gadsby with 3320 lbs./acre DM
2. Cowboy with 2881 lbs./acre DM



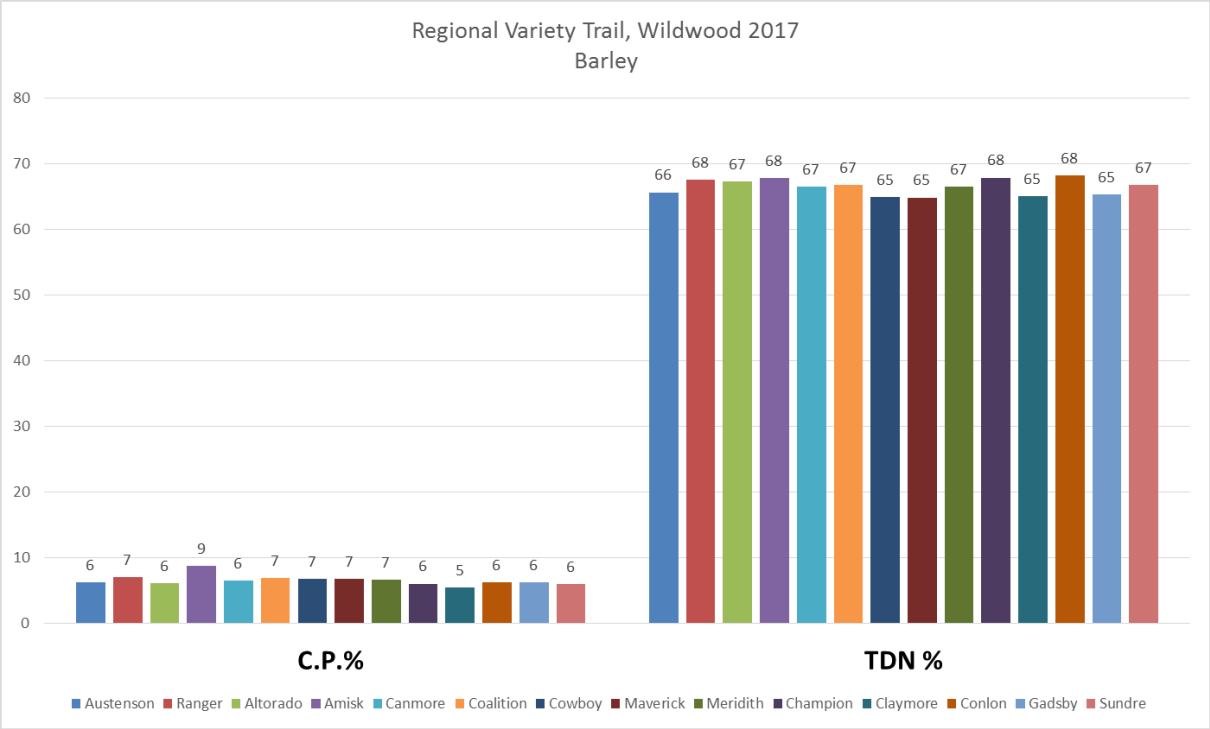
BARLEY

The varieties that showed highest crude protein (CP %):

1. Amisk with 9%
2. Ranger, Coalition, Cowboy, Maverick and Meridith all with 7%

The varieties that showed highest Total Digestible Nutrients (TDN %):

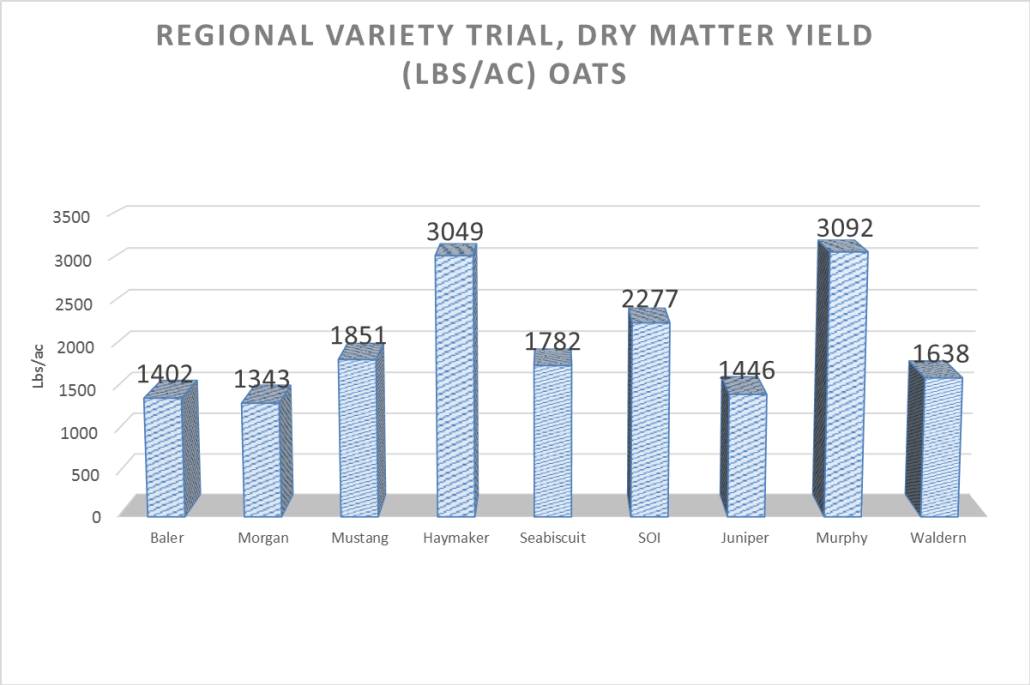
1. Ranger, Amisk, Champion and Conlon all with 68%
2. Altorado, Canmore, Coalition, Meridith and Sundre all with 67%



OATS

The varieties that showed highest dry matter (DM) yield:

1. Murphy with 3092 lbs/acre DM
2. Haymaker with 3049 lbs/acre DM

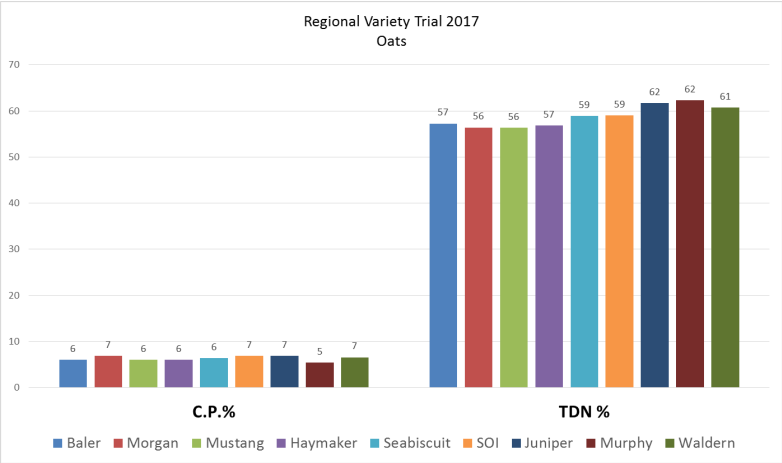


The varieties that showed highest crude protein (CP %):

1. Morgan, SOI, Juniper and Waldern all with 7 %
2. Baler, Mustang, Haymaker and Seabiscuit all showed 6%

The varieties that showed highest Total Digestible Nutrients (TDN %):

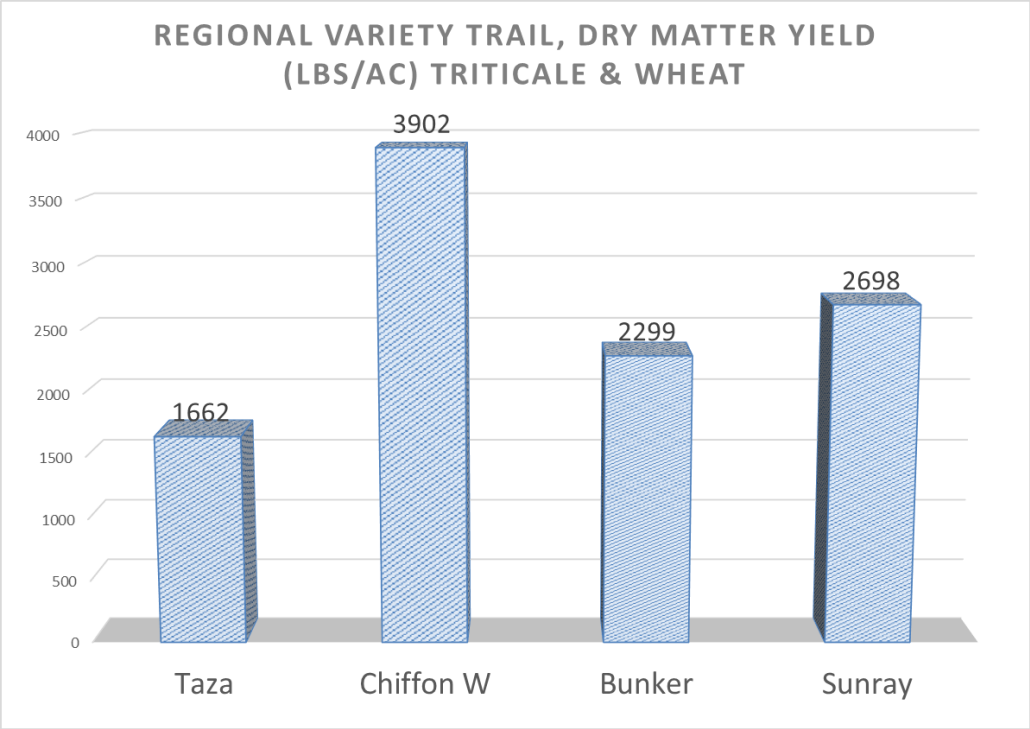
1. Juniper and Murphy with 62%
2. Waldern with 61 %



TRITICALE

The varieties that showed highest dry matter (DM) yield:

1. Chiffon (soft wheat) with 3902 lbs./acre DM
2. Sunray with 2698 lbs./acre DM

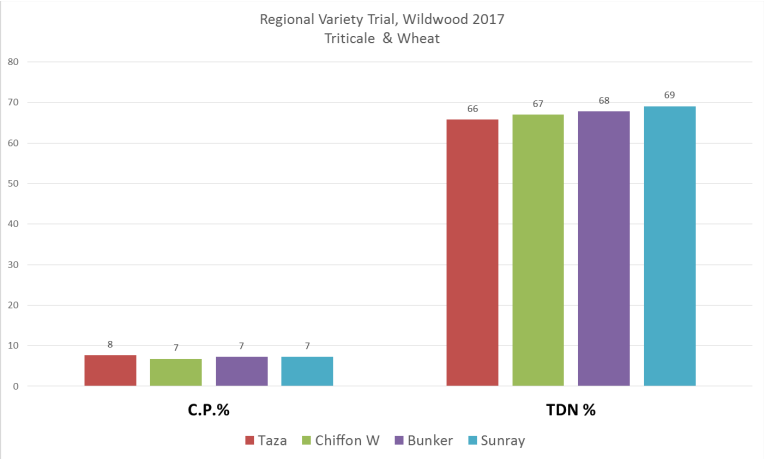


The varieties that showed highest crude protein (CP %):

1. Taza with 8 %
2. Chiffon, Bunker and Sunray all showed 7%

The varieties that showed highest Total Digestible Nutrients (TDN %):

1. Sunray, with 69%
2. Bunker with 68%



Comments

The next figure shows varieties wit higher observed values of biomass yield, DM, C.P. and TDN. Barley is red, Wheat is green, Triticale is purple, and Oats is blue in the figures below. I This was a small research trial and therefore results are not statistically significant. Results should be treated with caution as they are from one year only (2017).