

ANNUAL FORAGE VARIETY TRIAL: COVER CROPS

This small-plot research trial focused on the productivity of various commercial annual forage cover crop mixes including:

- Swath Graze blend (Renovo)
- Double Down blend (Renovo)
- Fall Grazer blend (Renovo)
- TG Extend (Imperial Seed)
- TG Balanced Silage (Imperial Seed)
- TG Rejuvenate (Imperial Seed)
- CARA (Chinook Applied Research Association) cover crop mix
- Full Season Cover blend (Covers and Co)

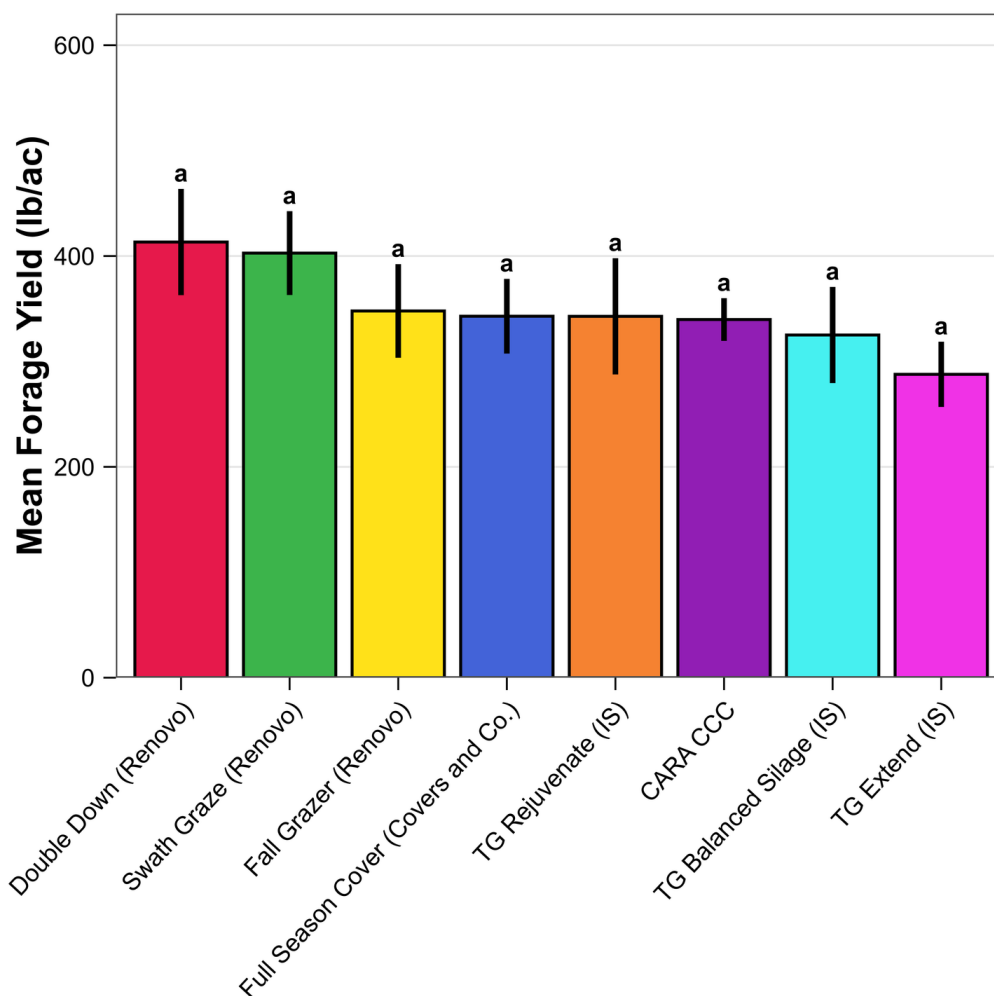
Mixes were seeded with additional Haymaker oats, Meadow peas, Goliath forage rape, Persian clover, Stampeder triticale or faba beans.

Key Points:

- **No significant differences in forage yield**
- **Double Down blend produced the most biomass**
- **TG Extend produced the least forage biomass**

Task	Timeline	Details
Seeding	May 27	Renovo Swath graze 6 lb/ac Renovo Double Down 35 lb/ac CARA CCC 85 lb/ac Renovo Fall Grazer 9 lb/ac TG Extend 11 lb/ac TG Balanced Silage 11 lb/ac TG Rejuvenate 7 lb/ac Full Season Cover 60 lb/ac Haymaker oats 35 lb/ac Meadow peas 12 lb/ac Goliath forage rape 3 lb/ac Persian clover 2 lb/ac Stampeder triticale 40 lb/ac Faba beans 10 lb/ac
Maintenance	May 10 - June 24	Urea 110 lb/ac S15 80 lb/ac Glyphosate (pre-seed) 1 L/ac Coragen 0.71 L/ac
Harvest	Aug. 21	Forage harvester

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There were no significant differences among the annual forage cover crops. Further research is required to evaluate the quality of silage as well as the impacts of weeds, pests and diseases on the annual forage cover crops under the local growing conditions which can provide useful information for producers in the North Peace Region in selecting pulse varieties to increase silage yield.