

Project Title: 2021 Soybean Planting Date Study

Objective: To evaluate the effect of planting date and maturity group on soybean grain yield and quality in northwestern Montana

Personnel: J.A. Torrion, E. Nafi, D. Porter

Summary:

Four different maturity groups (MG; 0.06, 0.08, 0.2, and 0.4) of soybeans were planted on April 27, May 6, May 18, and May 29 under dryland condition. Significant damage due to a significant predatory deer grazing (see photo). Thus, there are no data shown this year. For the previous year soybean planting date outcome, please refer to the online reports, [https://agresearch.montana.edu/nwarc/annual-reports/2020 annualreports/2020 SoybeanPlantingDate.html](https://agresearch.montana.edu/nwarc/annual-reports/2020%20annualreports/2020%20SoybeanPlantingDate.html)

Table 1. Management information

Seeding rate (plants/acre): 150,000	Field location: X2
Previous crop: Corn	Soil type: Creston silt loam
Herbicide: 4/20: Spartan Charge	Tillage: Conventional
5/27,6/2,6/11,6/17: Basagran+ Raptor+Zidua	
Insecticide: None	Soil residual nutrient
Fungicide: None	(NO ₃ ⁻ , P, K lb/A): 30-0-0
Inoculant: Verdesian N-Dure	Nutrient fertilizer applied
	(N, P ₂ O ₅ , K ₂ O lb/A): 10-25-40-10S



Photo: 2021 experimental plot deer damage