

## **Cooperative Dry Bean Nursery Trial – 2022 Powell**

Report for the Wyoming Bean Commission

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This study was abandoned during the early-season due to very poor emergence following a late-May cold spell.

Please see page 2 for a more detail description of the event and page 3 for a list of entries that were planted. The list includes the official entries that were planted across several states (e.g., MI, ND, NE, WA, WY) and also includes add-on entries that were submitted only to Wyoming Seed Certification Service for the Powell trial. The add-ons were not submitted to the nationwide CDBN coordinator distribution.

8/11/2022

2022 CDBN

The 2022 CDBN was planted on May 17. Normally the plot area is pre-irrigated or has sufficient moisture from natural precipitation to avoid irrigating after planting. This year, that was not possible because fertilizer and herbicides were not available until just before planting time, so the field was not able to be pre-irrigated in a timeframe that would allow for planting during the normal planting window. The extremely dry soil conditions resulted in a planting depth that was fairly deep because changing it further would make the angle on the planter units such that seed distribution in the plot would be unacceptable.

The field was irrigated immediately after planting. Cooling off the soil with very cold irrigation water and the deep planting depth significantly slowed germination and emergence, which was compounded by a heavy rain event and cold front on Memorial Day weekend. Poor emergence in many plots was obvious at three weeks after planting, but the full impact was observed when bloom notes were attempted. There were several plots that had less than 20 plants, when each plot was planted with 300 seeds. Even plots with better stands had plants that were stunted and vegetative when other plants in the plots were blooming. At that point, it was my opinion that the trial would not provide accurate data for bloom, maturity, or yield.

Expenses to date include (1) nursery coordinator fee, (2) plot fees to the Powell R&E Center, and (3) supplies and labor associated with plot maintenance through July 2022 (yet to be calculated). We anticipate billing the Wyoming Bean Commission only \$1,000 of the originally budgeted \$3,000 due to the termination of this trial.

The support from the Wyoming Bean Commission and cooperators that submitted entries of local interest is appreciated, and we look forward to a better trial result next year.

Sincerely,



Mike Moore, Manager  
Wyoming Seed Certification Service

## Entries Planted for the 2022 Cooperative Dry Bean Nursery Powell

The test was abandoned due in during the early season to low germination. Please see page two. Entries 21 through 26 are the local add-ons.

2022	Cooperator	Entry	Market Class
1	Miklas	USDA Basin	Pinto
2	Gomez/Wright	Charro	Pinto
3	Urrea	NE2-21-41	Pinto
4	TVS	La Paz	Pinto
5	TVS	Othello	Pinto
6	Miklas	CR17-1-7-B2	Cranberry
7	Urrea	NE9-20-8	Cranberry
8	Urrea	NE9-20-7	Cranberry
9	TVS	Cal Early	Light Red Kidney
10	Gomez/Wright	Adams	Black
11	Urrea	NE14-20-6	Black
12	Urrea	NE14-20-8	Black
13	TVS	Eclipse	Black
14	Hochhalter	OAC-Equinox	Navy
15	Miklas	SR-16-2-6	Red
16	Gomez/Wright	Eiger	Great Northern
17	Urrea	NE1-21-9	Great Northern
18	Urrea	NE1-21-22	GN
19	Urrea	NE1-21-34	GN
20	Nebert	BRG-3	Brown
21	ADM	B3036381	Black
22	ADM	B3033350	Black
23	Evan Wright	Yellowstone	Yellow
24	Heitholt	LPID-3	Pinto
25	Heitholt	LPID-7	Pink variant
26	Heitholt	LPID-9	Pink