

## Great Northern Bean Variety Performance Trial at Fort Collins<sup>1</sup> in 2007.

Variety	Yield	Seed Wt	Seed Wt (2)	Flowering	Rust Score	Growth Habit	Seed Quality*
	lb/ac	seeds/lb	g/100 seeds	Days	1 to 6‡	type	
CO 26461	2165	1413	32.1	46.4	1	3a	6.7
Weihing	2153	1398	32.5	45.5	1	2b	7.0
CO 36565	1994	1373	33.1	45.5	1	2b/3	8.3
Matterhorn	1889	1407	32.3	45.0	1	2	3.7
CO 26420	1830	1367	33.2	45.8	2	3a, 2/3	7.8
GTS-2404 G.N.	1808	1233	36.9	42.0	3	3a	5.0
CO 26440-6	1763	1616	28.2	45.8	1	2b/3	1.8
GTS-2403 G.N.	1653	1443	31.5	45.3	4,5,6	2	3.7
CO 26440-2	1634	1601	28.5	46.3	1	2b/3	4.3
CO 26439	1611	1473	30.9	46.5	1	2b	6.7
CO 36041	1605	1594	28.5	46.8	1	2b/3	2.8
CO 36063	1546	1609	28.3	46.3	1	2b/3	1.4
CO 36268-13	1352	1546	29.4	46.5	1	2b	5.3
<b>Average</b>	<b>1758</b>	<b>1524</b>	<b>30.0</b>	<b>46.0</b>			
LSD <sub>(0.30)</sub>	169	41	0.8	0.7			
CV (%)	15	4	3.9	2.0			

<sup>1</sup>Trial conducted at the Agricultural Research, Development and Educational Center; seeded 6/7 and harvested 9/21 with a Hege combine.

‡ 1=no bean rust symptoms, 2=necrotic flecks, 3=small pustule, 4,5,6=pustules greater than 300-500 µm in diameter (USDA rating)

\*Seed quality 10=excellent, 5=average, 1= unacceptable

Growth Habit 2b=indeterminate, upright, short vine, 2b/3=intermediate between vine and semi-upright, 3a=indeterminate, semi-vine

Comments: Some herbicide damage may have contributed to root rot.

### Site Information

Fertilization: 25 lbs N acre<sup>-1</sup> and 40 lbs P acre<sup>-1</sup>

Cultural Practices: Fall 2006 - Deep ripped, disked; Spring 2007 - plowed, roller-harrowed (2x), leveled, corrugated

Herbicide: Preplant - Eptam incorporated by rotary hoe; Mid-Season - Raptor, Select, Basagran, Outlook incorporated by irrigation

### 2008 Irrigation

June 13 0.90"

June 18 1.75"

June 26 1.75"

July 5 1.50"

July 12 1.50"

July 20 1.75"

Aug 13 1.75"

Aug 22 1.75"

Total = 12.65"