

Attachment E – Results Dry Bean Seeding Rate Trial

Table 12. Dry bean populations and percent germination by variety and seeding rate at Borderview Farm in Alburgh, VT 2015.

Variety	Target seeding rate	Actual plant population	Germination
	seeds ac ⁻¹	plants ac ⁻¹	%
Black turtle	71,000 (low)	51,691	72.8
Black turtle	99,000 (medium)	72,890*	73.6
Black turtle	126,000 (high)	80,731*	64.1
<i>LSD (0.10)</i>		9107	NA
<i>Trial Mean</i>		68438	70.2
Pinto	63,000 (low)	21,490	34.1
Pinto	78,000 (medium)	30,492	39.1
Pinto	99,000 (high)	34,848	35.2
<i>LSD (0.10)</i>		NS	NA
<i>Trial Mean</i>		28,943	36.1
Yellow eye	56,000 (low)	20,328	37.4
Yellow eye	76,000 (medium)	20,909	27.5
Yellow eye	110,000 (high)	25,846	23.5
<i>LSD (0.10)</i>		NS	NA
<i>Trial Mean</i>		22,361	29.5

*Treatments that did not perform significantly lower than the top-performing treatment (in **bold**) in a particular column are indicated with an asterisk.

NS-Treatments were not significantly different from one another.

NA-Not statistically tested.

Table 13. Dry bean yield and harvest moisture by variety and target seeding rates at Borderview Farm in Alburgh, VT 2015.

Variety	Target seeding rate	Yield	Harvest moisture
	seeds ac ⁻¹	lbs ac ⁻¹	%
Black turtle	71,000 (low)	2811	17.3
Black turtle	99,000 (medium)	3247	16.7
Black turtle	126,000 (high)	2596	17.3
<i>LSD (0.10)</i>		NS	NS
<i>Trial Mean</i>		2885	17.1
Pinto	63,000 (low)	650	13.1
Pinto	78,000 (medium)	842	13.3
Pinto	99,000 (high)	1342	13.3
<i>LSD (0.10)</i>		NS	NS
<i>Trial Mean</i>		945	13.3
Yellow eye	56,000 (low)	610	12.5
Yellow eye	76,000 (medium)	581	12.4
Yellow eye	110,000 (high)	929	12.1
<i>LSD (0.10)</i>		NS	NS

<i>Trial Mean</i>		707	12.3
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Top-performers are in **bold**.

NS-Treatments were not significantly different from one another.

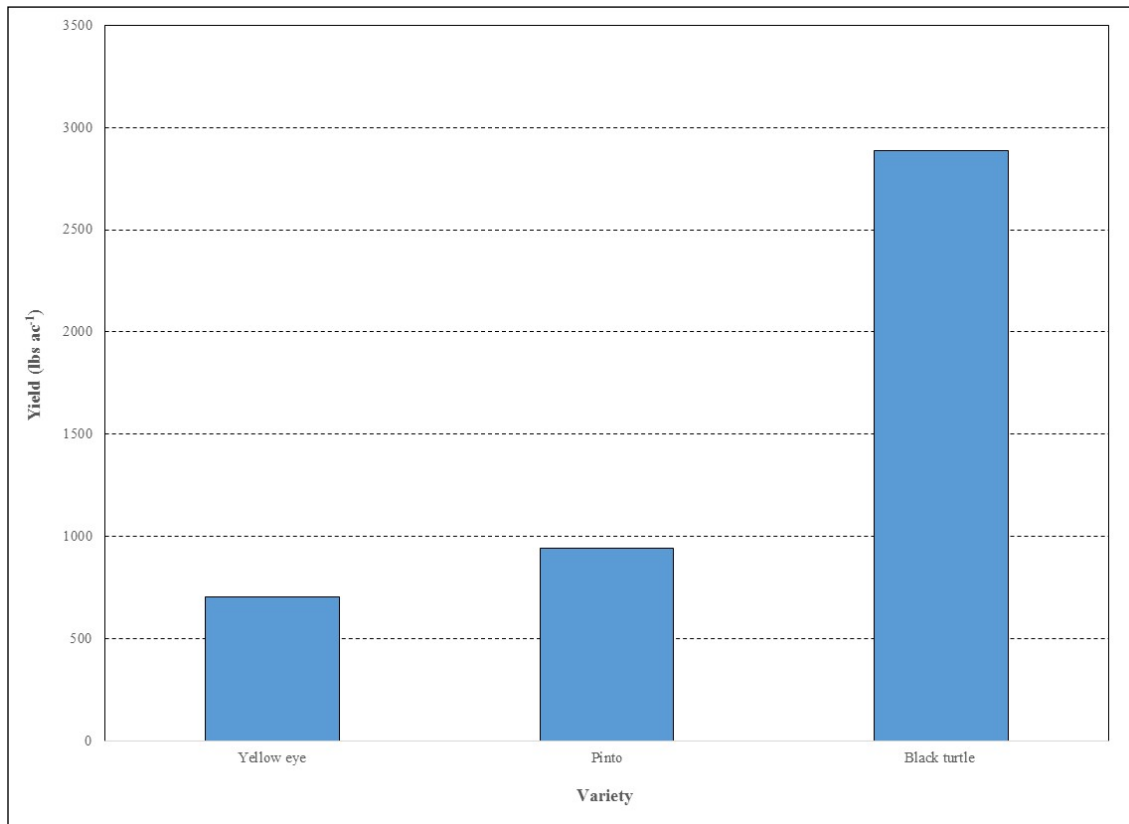


Figure 3. 2015 mean yields, of Black turtle, Pinto, and Yellow eye dry beans at Borderview Farm in Alburgh, VT