

COMPARISON OF YIELD, AGRONOMIC, DISEASE AND CANNING CHARACTERISTICS OF ZENITH WITH FIVE OTHER BLACK BEAN VARIETIES OVER 5 YEARS TESTING (2010-2014) IN MICHIGAN, NEW YORK AND ONTARIO

Traits	Varieties					
	Zenith	Zorro	Shania	Eclipse	Loreto	T-39
Agronomic traits						
Days to Flower	45	46	46	43	44	45
Days to Maturity	100	100	101	96	100	100
Height in inches	21	21	21	20	21	18
Lodging Score ^a Average (1-5)	1.4	1.7	1.8	1.3	2.3	3.1
Agronomic Index ^b Average (1-7)	5.5	5.1	3.8	4.2	3.8	3.4
100-seed weight in grams	21.7	20.2	20.3	20.1	22.1	21.5
Mean yield ^c (cwt/acre)	28.4	26.7	26.6	25.2	25.6	24.5
Yield percentage	100	94	95	88	91	87
Disease resistance traits^d						
BCMV ^e	R	R	R	R	R	R
Anthraco:race73	R	S	S	S	R	S
Rust race 22:2	S	S	S	S	S	S
Common bacterial blight	S	S	S	S	S	S
White mold percentage ^f	35	40	63	52	--	70
Canning quality traits						
Color L-scale ^g	13.1	15.8	16.9	18.1	16.2	16.2
Visual Color ^h	4.6	3.5	3.1	2.3	3.1	3.3
Texture ⁱ (kg/100g)	41	43	39	47	37	38
Visual rating ^j	4.5	4.0	3.2	3.6	3.4	3.5