

1980 COMMERCIAL VEGETABLE Variety Trial Report - Lima Beans

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LIMA BEAN VARIETIES TESTED

Variety	Source
Kingston	Maffei Seed Co.
Bridgeton	"
Thorogreen S4	"
Concentrated Fordhook	"
Maffei 76	"
Maffei 8	"
Maffei 15	"
Maffei 23	"
Mendosa	Ben Fish Co.
C - Elite	"
Henderson	"
Improved Kingston	"

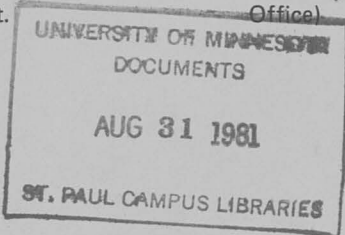
Lima bean variety trials were conducted in Minnesota in four locations during the 1980 growing season: Waseca, Becker, Grand Rapids, and Anoka County Peat Site. Bordered observational studies were conducted using the varieties shown below. Plots consisted of single rows (30- or 36-inch row spacing) 15 feet long. Data was collected from hand harvested samples from the center 5 feet of the middle row. Individual researchers were responsible for providing cultural practices (weed, insect, and disease control and fertilization) that simulate standard commercial conditions in that location.

Ratings are judgments of individual researchers and should be used only to compare varieties within a location. Yields should be used only to compare varieties since commercial yields can be expected to be somewhat different.

For further information call:

- 507-835-3620** for results from Waseca (Southern Experiment Station)
- 612-373-1102** for results from Becker (Sand Plain Experiment Station)
- 218-327-1790** for results from Grand Rapids (North Central Experiment Station)
- 612-755-1280** for results from Anoka County Peat (Anoka County Extension Office)

TABLE HEADING INFORMATION	
Yield	— pod weight
Plant Ht.	— plant height from ground to top of foliage (cm)
Plant Wd.	— spread of plant foliage (cm)
Plant Erect	— rating of 1-3 for plant uprightness (1 = upright, 3 = prostrate)
Pod Clr.	— rating of 1-7 for color (1-3 = lt.-dark green, 4-6 = lt.-dark yellow, 7 = variable color)
Pod Lgth.	— pod length (cm)
Pod End	— 1-3 rating of the shape of pod end (1 = tapered, 3 = blunt)
Pod Straight	— 1-3 rating for straightness of pod (1 = straight, 3 = curved)
Seed Size	— 1-3 rating (1 = small, 3 = large)
Seed Clr.	— 1-6 color rating (1-3 = lt.-dk. green, 4 = white, 5 = cream, 6 = multicolored)
Seed No./Pod	— average of 5 mature pods
Overall Rating	— 1-9 rating (1 = least desirable, 9 = most desirable)



LIMA BEANS — 1980 TRIALS Location — Waseca; Planted 5/22

OBSERVATIONAL TRIALS

Variety	Yield (lbs/A)		Plant			Pod Characteristics				Seed Characteristics			Overall Rating
	Total	Mature	HT	WD	ERECT	CLR	LGTH	End	STRT	SIZE	CLR	≠/POD	
Bridgeton	12197	11906	40	50	2	2	7	1	1	2	1	4	7
Henderson	10164	9874	35	60	1	1	8	1	2	1	1	4	7
Maffei 8	9002	8712	40	55	2	1	7	1	1	2	5	3	6
Conc. Fordhook	8712	8422	45	65	2	2	8	3	2	3	1	4	8
Maffei 23	8712	8422	35	65	3	1	7	1	1	2	5	4	8
Maffei 15	8131	7550	35	70	2	1	8	1	1	2	4	3	7
Kingston	7841	7260	35	55	3	2	7	1	2	2	1	4	7
Imp. Kingston	7841	7260	30	50	2	1	7	1	1	1	1	4	7
Mendosa	6970	6389	40	55	2	3	7	1	1	3	1	4	7
C-Elite	6679	5808	45	60	2	2	8	1	1	2	1	3	6
Thorogreen	6389	5517	40	45	2	2	8	1	2	3	1	4	7
Maffei 76	6389	5808	35	55	2	3	7	1	2	1	4	3	7



LIMA BEANS — 1980 TRIALS
Location — Becker; Planted 5/27;
Harvested 9/9

OBSERVATIONAL TRIALS

Variety	Yield (lbs/A)		Plant			Pod Characteristics				Seed Characteristics			Overall Rating
	Total	Mature	HT	WD	ERECT	CLR	LGTH	End	STRT	SIZE	CLR	#/POD	
Conc. Fordhook	10164	9293	55	75	1	2	10	3	2	3	2	4	7
Maffei 8	10164	9002	50	60	1	2	8	2	2	1	1	3	7
Bridgeton	9583	8422	50	65	1	2	8	2	1	2	1	4	7
Maffei 76	9002	7841	50	65	1	2	7	2	2	2	1	3	7
Maffei 15	8423	6970	50	65	1	2	7	2	1	1	1	3	6
Thorogreen	6970	5808	35	50	2	2	8	2	2	2	4	3	7
Mendosa	6679	5808	40	55	2	2	7	2	1	1	1	3	6
Kingston	6389	4937	40	50	2	2	7	2	2	1	1	4	6
C-Elite	6098	5227	45	60	2	2	9	2	1	2	1	3	6
Henderson	6098	5227	50	60	1	1	8	2	2	2	4	3	7
Imp. Kingston	4937	3775	45	60	2	1	7	2	1	1	1	3	6
Maffei 23	4066	3485	45	40	2	2	7	2	2	1	1	3	5

LIMA BEANS — 1980 TRIALS
Location — Grand Rapids; Planted 6/3;
Harvested 9/22

OBSERVATIONAL TRIALS

Variety	Yield (lbs/A)		Plant			Pod Characteristics				Seed Characteristics			Overall Rating
	Total	Mature	HT	WD	ERECT	CLR	LGTH	End	STRT	SIZE	CLR	#/POD	
Maffei 76	15391		44	38		2	8	2	2	1	1	3	6
Thorogreen 54	11035		52	58		2	8	1	2	2	1	3	6
Kingston	7841		29	41		2	7	2	2	2	1	3	6
Mendosa	7260		37	66		3	8	3	2	3	5	3	7
Conc. Fordhook	7260		45	56		3	9	3	2	3	1	3	6
Henderson	6970		42	56		3	8	1	2	1	1	3	6
Imp. Kingston	6679		32	48		3	7	1	1	1	1	4	6
C-Elite	4356		34	42		3	9	1	1	1	1	3	6
Maffei 23	4066		41	51		2	7	1	1	2	5	4	5
Maffei 15	3775		36	48		3	8	1	2	2	1	3	5
Maffei 8	3194		44	52		3	8	1	3	2	1	3	5
Bridgeton	1452		41	57		2	7	1	2	1	1	3	4

LIMA BEANS — 1980 TRIALS
Location — Anoka County Peat Site;
Planted 5/27

OBSERVATIONAL TRIALS

Variety	Yield (lbs/A)		Plant			Pod Characteristics				Seed Characteristics			Overall Rating
	Total	Mature	HT	WD	ERECT	CLR	LGTH	End	STRT	SIZE	CLR	#/POD	
Maffei 23	11326	7260	35	60	3	2	6	3	1	2	1	3	6
Maffei 15	11035	5518	35	80	3	2	8	1	1	2	1	3	5
Maffei 76	11035	5808	45	70	2	7	7	2	2	2	1	3	5
Conc. Fordhook	7550	3485	63	90	3	7	9	3	3	3	2	4	3
Maffei 8	6389	4066	40	60	2	2	7	2	2	2	1	3	5
Thorogreen	5808	3485	50	84	2	2	8	2	2	1	1	3	3
C-Elite	5808	3775	40	65	2	3	8	2	1	1	5	3	3
Bridgeton	5227	4066	50	80	3	1	7	2	1	1	1	3	3
Kingston	3775	2614	50	70	2	1	7	2	2	1	5	3	4
Mendosa	0	0	45	75	3	0	0	0	0	0	0	0	0
Henderson	0	0	50	85	3	0	0	0	0	0	0	0	0
Imp. Kingston	0	0	40	70	2	0	0	0	0	0	0	0	0

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