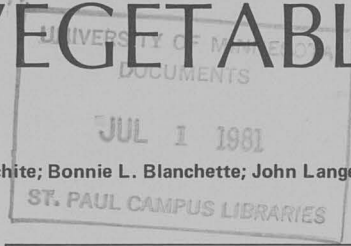


1980 COMMERCIAL VEGETABLE Variety Trial Report-Snap Beans

Luther Waters, Jr.; David K. Wildung; Wesley H. Gray; Shirley T. Munson; James B. Hebel; Harvey J. Buchite; Bonnie L. Blanchette; John Lange; Mark A. Bennett



Snap bean trials were conducted in Minnesota at six locations during the 1980 growing season: Becker, Grand Rapids, Morris, Waseca, Anoka County (peat), and Horticulture Research Center in Excelsior, with average season lengths from 102 to 140 days. Bordered observational and replicated studies (three or four reps) were conducted using the varieties below. Plots in replicated trials were three rows wide (30- or 36-inch spacing) and 15 feet long. Data was collected from hand harvested and sized samples from the center 5 feet of the middle row. Observational plots were single rows 15 feet long with data collected from the center 5 feet. 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 the judgement 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 might be expected to be somewhat different.

SNAP BEAN VARIETIES TESTED

Variety	Source	Variety	Source
Avalanche	FM	1604	
BBL GV No.2	Gallatin	75-091	
BBL 47	Asgrow	76-017	
BBL 53	Asgrow	Remus	
BBL 94	Asgrow	Royalty	
BBL 109	Gallatin	Pure Gold	
BBL 112	Rogers	Anniversary Gold	
BBL 274	Harris	Greensleeves	
BBL Advance	Asgrow	Commodore	
BEF RS	Royal Sluis	Sunrise Wax	
Burly	Rogers	Miami	
Bush Bean Wax	Keystone	Century Gold	
Cape	Asgrow	Berken Mung Bean	
Checkmate	Asgrow	Delrey	
Crossville	FM	Bush Blue Lake	
Cumberland	FM	Blue Crop	
Eagle	Asgrow	Aristrocrop	
Earlybird	Maffei	Oregon 91	
Exp 121	Sun Seeds	Oregon 17	
		Oregon 91G	
		Oregon 83	

Variety

Source

TABLE HEADING INFORMATION	
1.	Days to Harvest — days from planting to harvest
2.	Plant Ht. — height at maturity (cm)
3.	Plant Wd. — spread of the plant at maturity (cm)
4.	Plant Erect — 1-3 rating for uprightness (1 = upright, 3 = prostrate)
5.	Pod Color — 1-7 rating (1-3 = light to dark green; 4-6 = light to dark yellow; 7 = variable)
6.	Pod Length — length of pods (cm)
7.	Pod Shape — 1 = flat; 2 = oval; 3 = round; 4 = creaseback
8.	Pod Straightness — 1-3 rating (1 = straight, 3 = curved)
9.	Pod Smoothness — 1-3 rating (1 = smooth, 3 = lumpy)
10.	Overall Rating — 1-9 rating (1 = least desirable, 9 = most desirable)

For further information call:

612-373-1102 for results from Becker (Sand Plain Experiment Station) and Excelsior (Horticulture Research Center)

218-327-1790 for results from Grand Rapids (North Central Experiment Station)

612-589-1711 for results from Morris (West Central Experiment Station)

507-835-3620 for results from Waseca (Southern Experiment Station)

612-755-1280 for results from Anoka County Peat (Anoka County Extension Office)

SNAP BEANS—1980 TRIALS
Location 1—Becker; Planting Date—5/27

Variety	REPLICATED TRIALS										
	1,000 lb/A	%1-4sv.	Ht.	Wd.	Erect	Color	Length	Shape	Straight	Smooth	Overall Rating
**H 285 B-2-3	14.52	23	44	56	1.5	2	12.8	2.8	2.0	2.0	6.0
**Strike	13.82	24	48	70	1.5	1.8	12.3	3.0	1.0	1.5	6.3
**EXP 121	13.37	22	48	62	1.4	2	12.2	2.6	1.6	2.0	6.8
**Galaslim	12.71	25	45	53	1.0	2	11.7	3.0	1.3	1.7	7.0
**BBL Advance	12.60	22	41	65	2.0	2	13.5	3.0	1.8	2.0	6.3
**Spurt	11.63	29	45	63	1.8	2	13.0	3.0	1.3	2.0	6.5
**Green Isle	11.37	27	48	56	1.0	2	11.8	2.8	1.5	1.8	6.5
**Galamor	11.20	27	47	68	1.0	2	12.3	3.0	1.7	1.7	6.0
*Sungold	10.93	20	44	78	1.5	5	12.5	2.5	2.0	2.0	6.5
**BBL 53	10.32	32	38	54	2.0	2	11.5	2.8	1.8	1.8	6.3

OBSERVATIONAL TRIALS											
Oregon 17	20.29	2	40	75	2	2	14	3	1	2	4
*Goldenrod	18.54	13	45	45	2	5	12	3	2	2	5
**Cumberland	16.44	21	50	60	2	2	19	1	1	2	6
Oregon 91G	14.35	2	33	70	2	2	15	3	1	2	4
**BBL 47	14.00	22	50	90	2	2	14	3	1	1	9
*BBL 109	14.00	10	50	65	1	2	11	3	2	2	6
Oregon 83	14.00	3	35	65	2	2	14	3	1	2	4
*Ranier	14.00	7	35	55	2	2	14	4	2	3	5
*EXP 178	13.65	15	45	60	1	2	14	3	2	3	6
*Golden Sands	13.65	15	45	65	2	2	13	3	2	2	7
*Tidal Wave	13.65	21	55	60	1	2	12	3	1	1	7
*75-091	13.65	15	50	70	2	3	13	3	2	2	5
**Earlybird	12.95	14	50	70	1	2	13	3	2	2	6
**Roma II	12.95	27	40	60	3	1	12	1	2	2	6
**XPB 107	12.95	22	35	50	3	2	15	3	2	2	6
*Goldrush	12.60	22	50	70	2	5	13	3	1	2	8
**H285 A-2-1-1	12.60	28	40	55	1	2	13	3	1	2	7
***Oregon 91	12.60	3	35	65	2	2	15	2	1	2	4
**Eagle	12.25	26	50	65	2	2	14	3	1	2	8
**Sprite	12.25	29	45	65	1	1	13	3	1	2	7
*Vitagreen	12.25	23	50	80	2	2	13	3	2	2	7
**Galaslim	11.90	24	45	80	1	2	12	3	2	2	7
**Golden Butterwax	11.90	26	50	80	2	5	13	3	2	2	7
**H285 A-4-1-1	11.90	15	50	60	2	2	12	3	1	1	7
*White Seeded Provider	11.55	15	45	65	2	2	13	3	1	1	7
**Avalanche	11.20	13	45	65	2	1	13	3	1	1	7
*Burly	11.20	13	50	70	2	3	11	3	3	2	6
*EXP 185	11.20	9	50	60	1	3	12	3	1	2	7
*E 8268	11.20	13	50	55	1	2	12	3	1	1	7
*Stretch	11.20	13	50	70	1	2	11	3	1	1	6
*Tendercrop	11.20	19	50	70	1	2	12	3	1	2	6
*XPB 108	11.20	19	40	60	2	3	10	3	1	1	7
*XPB 109	11.20	31	40	100	2	1	16	2	1	2	5
*1604	11.20	19	35	55	2	2	14	3	3	3	4
**BBL GV#2	10.85	16	45	70	1	2	13	3	1	2	7
**Greencrop	10.85	26	55	60	1	2	14	3	2	2	7
**BBL 94	10.50	33	40	55	3	2	10	3	2	2	5
*Bush Bean Wax	10.50	20	55	60	1	5	12	3	2	3	5
*Crossville	10.50	23	50	80	1	2	13	3	1	1	6
*EXP 9400	10.50	20	60	70	1	2	13	3	2	2	6
*Greenpak	10.50	20	50	65	1	2	13	3	1	3	8
**Petite	10.50	33	45	60	2	2	12	3	2	2	6
*EXP 9342	10.15	24	50	88	2	2	13	3	1	1	7
*Greenway	10.15	24	45	75	2	2	11	3	1	2	7
*Lakeland	10.15	17	45	60	1	2	13	3	1	1	7
*Goldcrop	9.80	18	45	45	2	5	12	3	2	2	5
**Triumph	9.80	36	50	60	1	2	13	2	2	1	7
**Checkmate	9.45	26	60	80	2	2	12	2	2	1	7
*Midas	9.10	27	50	70	1	5	12	3	1	2	7
**76-017	8.75	40	45	60	1	3	12	3	2	2	5
*Cape	8.05	26	40	80	2	2	14	3	3	3	6
*BBL 274	7.35	43	55	75	2	2	13	3	3	3	5
*BBL 112	7.00	40	45	55	1	2	12	3	2	2	6
*Majestic Wax	6.65	42	50	80	2	5	15	3	1	1	6
*Mt. Hood	6.65	42	45	65	2	5	15	3	1	1	7

*56 days to harvest
 **59 days to harvest
 ***62 days to harvest

SNAP BEANS—1980 TRIALS

Location 2—Grand Rapids; Planting Date—6/3

Variety	REPLICATED TRIALS (66 days to harvest)										
	1,000 lb/A	%1-4sv.	Ht.	Wd.	Erect	Color	Length	Shape	Straight	Smooth	Overall Rating
Goldrush	17.06	91	43	89	2.0	4	14	2.0	2.0	1.5	7.3
Strike	16.84	98	44	99	1.8	1	14	2.3	1.0	1.0	9.0
Goldenrod	16.84	72	46	79	1.8	5.8	14	2.3	2.0	2.5	6.8
H285 B-2-3	16.19	95	48	92	2.0	2.5	14	2.8	1.8	1.3	7.8
ROMA II	15.68	100	42	96	2.3	1.2	15	1.0	1.8	1.0	7.0
Avalanche	14.96	61	47	102	2.0	1	14	2.0	1.8	1.3	7.3
BBL 112	14.88	60	43	104	2.5	1.8	15	3.0	1.8	1.0	7.5
Spurt	14.88	69	44	91	2.3	1	15	3.5	2.3	1.0	7.3
Eagle	14.30	69	51	99	2.3	1.8	16	3.3	1.8	1.5	7.8
Petite	12.34	71	54	106	2.3	1.8	14	4.0	2.0	2.0	6.5

OBSERVATIONAL TRIALS

Sprite	24.10	89	51	90	2	1	15	3	1	1	8
1604	24.10	52	53	89	3	2	15	3	2	2	5
BBL GV #2	20.62	52	43	90	2	3	13	3	2	2	7
Tendercrop	20.62	32	49	89	2	2	14	4	2	2	5
Galaslim	20.04	90	46	87	2	2	13	4	2	1	8
Greencrop	19.75	99	49	83	2	1	24	1	2	1	8
EXP 178	19.75	82	45	101	1	3	15	2	2	3	5
XPB 107	19.75	41	42	93	2	2	14	4	2	3	5
XPB 108	18.88	100	43	75	2	1	15	2	1	1	9
75-091	18.88	43	42	91	2	2	14	3	2	2	6
Greenpak	18.59	39	64	99	2	2	16	3	3	2	5
XPB 109	18.30	97	48	112	2	1	19	1	2	1	8
Ranier	18.01	42	44	90	2	3	13	4	3	2	6
Burly	18.01	34	51	88	2	2	14	3	3	2	6
Greenway	17.71	62	42	85	2	1	14	3	1	1	8
H285 A-4-1-1	17.71	77	51	79	3	1	15	4	2	2	7
H285 A-2-1-1	17.42	88	47	88	1	2	14	2	1	1	8
Crossville	17.13	41	55	83	2	1	14	3	3	1	7
Goldcrop	17.13	53	48	90	3	7	14	3	3	3	5
Cumberland	16.84	40	46	98	3	1	15	4	1	1	7
EXP 9400	16.55	72	50	96	2	2	15	2	1	2	7
Bush Bean Wax	16.55	44	43	97	2	4	15	2	2	2	7
E 8268	16.55	39	44	76	3	1	13	3	1	1	7
Golden Sands	16.26	66	45	118	2	2	14	2	3	2	6
Stretch	15.97	36	45	78	3	2	13	3	1	1	8
Checkmate	15.97	85	53	96	3	1	14	4	3	1	6
Tidal Wave	15.68	39	48	80	2	2	13	4	2	1	7
Golden Butterwax	15.39	79	44	94	2	4	15	2	1	1	8
Provider	15.39	42	54	78	2	2	14	4	2	2	7
Aristrocrop	15.39	42	55	125	3	2	16	2	3	1	6
Century Gold	15.39	70	44	86	2	7	16	2	3	2	5
EXP 185	15.10	56	44	67	2	2	14	4	2	3	6
Earlybird	14.81	63	49	78	3	1	14	3	2	1	6
Sungold	14.52	80	52	79	3	4	13	2	2	1	8
Mt. Hood	14.52	74	43	113	2	4	16	2	2	1	8
Cape	14.23	53	50	97	1	1	16	3	3	2	6
BBL 47	13.94	75	43	81	2	2	15	2	2	2	6
Lake Superior	13.94	56	46	94	2	2	13	3	3	2	5
Sunrise Wax	13.65	94	45	94	1	5	14	2	1	1	8
BBL Advance	13.65	81	48	97	2	3	12	2	2	2	7
BBL 109	13.65	62	55	89	2	3	14	4	2	1	7
Bush Blue Lake	13.36	61	57	94	2	2	16	3	2	2	7
Blue Crop	13.36	50	40	99	1	1	14	4	2	2	6
Lakeland	13.07	89	54	77	2	3	14	3	2	1	7
Royalty	13.07	62	41	90	3	8	13	4	3	1	5
BBL 94	12.78	91	54	95	2	2	13	3	3	1	7
Commodore	12.49	35	58	77	1	2	16	3	3	3	3
Green Isle	11.91	76	41	78	2	1	14	4	2	1	8
Vitagreen	11.91	61	47	104	2	2	16	3	2	2	6
BBL 53	11.62	82	47	89	2	3	13	3	3	1	7
Miami	11.33	82	41	95	2	1	15	2	2	1	7
Galamor	11.33	77	49	98	2	2	14	4	2	2	6
Delrey	10.75	86	52	99	1	1	15	2	2	1	8
Greensleeves	10.75	59	54	91	1	3	13	3	2	2	6
EXP 121	10.75	73	51	63	2	2	15	2	2	1	7
Majestic Wax	10.45	72	61	110	2	7	15	2	3	3	4
Remus	9.87	74	51	60	1	2	18	2	1	1	6
BBL 274	9.29	59	47	88	3	3	15	3	2	1	7
EXP 9342	90.0	68	52	67	1	2	14	2	2	1	7
76-017	8.42	97	58	90	2	2	13	4	2	1	6
Anniversary Gold	7.84	74	45	88	2	4	15	2	2	2	6
Midas	7.55	62	44	70	3	7	14	3	2	2	6
Puregold	3.19	91	48	98	3	4	14	2	2	2	4

SNAP BEANS—1980 TRIALS
Location 3—Morris; Planting Date—6/6

Variety	Source	Days to Harvest	1,000 #/Acre	% 1-4		Width	Erect	Color	Pod			
				Sieve	Ht.				Length	Shape	Straight	Smooth
BBL ADVANCE	2	63	19.17	9	49.3	81.5	2.0	2	12.8	2.0	2.0	2.5
RANIER	10	61	18.00	8	51.3	83.5	3.0	2	12.3	2.3	2.0	2.0
STRIKE	2	64	17.42	17	53.5	95.8	2.0	1	13.8	2.8	1.3	1.8
BBL 94	2	64	17.35	11	56.3	90.5	2.0	2	13.0	2.3	2.0	2.3
BBL 109	11	61	16.19	13	60.0	86.3	1.3	2	13.0	2.0	1.5	2.0
GOLDCROP	10	62	13.94	16	48.3	87.3	2.0	4	14.3	3.0	2.0	2.0
GALA SLIM	11	62	13.79	18	57.0	95.0	1.3	2	12.0	2.0	2.0	2.5
ROMA II	22	60	13.07	16	48.0	93.3	2.8	1	13.0	1.0	2.0	2.0
EXP 178	25	62	12.63	12	54.8	83.0	1.0	2	13.0	2.0	2.5	2.0
LAKE SUPERIOR	14	61	10.60	9	56.0	82.8	2.0	2	13.3	3.0	2.0	2.0
SPURT	2	62	7.99	31	55.3	99.8	2.0	2	13.3	3.0	2.0	1.8

(Observation Plot)

Variety	Source	Days to Harvest	#/Acre	% 1-4		Width	Erect	Color	Pod			
				Sieve	Ht.				Length	Shape	Straight	Smooth
1604	22	59	18.88	11	45	84	2	2	14	3	3	3
Golden Sands	10	62	18.00	13	40	90	3	2	14	2	2	3
*E 8268	10	59	17.42	12	60	100	2	2	14	2	2	1
*Vitagreen	22	62	17.42	13	60	90	2	2	13	2	2	2
XP13107	2	59	17.13	14	62	130	3	2	13	2	2	2
Greencrop	13	59	16.84	16	58	83	2	1	19	1	2	2
XPB108	2	62	16.26	16	50	90	2	2	15	2	2	2
*BBL 274	13	63	15.68	13	60	80	2	1	15	2	2	2
*Lakeland	25	66	15.68	19	65	87	1	2	15	2	2	2
*H 285-A-2-1-1	11	62	15.10	17	60	80	2	2	13	3	2	2
*Stretch	2	61	15.10	13	60	86	3	2	12	2	2	3
H 285 B-2-3	11	62	14.52	18	52	100	2	2	12	2	2	1
Galamor	11	62	13.36	13	65	90	2	2	13	2	2	2
*BBL 53	2	63	13.07	22	52	80	2	2	13	2	2	1
*Eagle	2	62	13.07	22	68	90	1	2	15	2	1	2
*BBL 47	2	61	12.49	19	65	100	1	2	13	2	2	2
*Golden Butterwax	1	62	12.49	21	60	92	1	4	14	2	1	2
*Gold Rush	2	62	12.49	23	47	75	1	4	13	2	1	3
*Petite	10	66	12.49	23	65	94	3	2	13	3	2	2
Greenisle	25	61	12.20	24	60	90	2	2	13	3	1	1
*Bush Bean Wax	14	59	11.91	22	50	90	2	5	13	2	2	3
*XPB109	2	62	11.91	22	60	92	2	1	18	2	2	3
*Crossville	10	61	11.62	13	56	90	2	2	14	3	2	2
*EXP 9342	14	62	11.62	22	63	80	2	2	13	2	1	2
*Golden Rod	10	59	11.62	20	60	96	1	4	13	2	2	2
*Mt Hood	10	59	11.62	17	57	85	2	4	15	2	2	2
*BBL GV#2	11	61	11.33	13	62	80	3	2	14	3	2	2
*Checkmate	2	61	11.33	21	65	85	2	2	12	2	1	2
*EXP 185	25	59	11.33	18	68	90	3	2	13	3	2	1
*H 285 A-4-1-1	11	61	11.33	18	63	80	2	2	14	2	2	2
Greenpak	22	61	11.04	11	60	70	1	2	13	2	1	2
*Early Bird	15	63	10.74	16	55	70	2	2	11	3	3	1
*EXP 9400	14	61	10.74	19	52	83	2	2	14	2	2	1
*Sprite	13	62	10.45	28	55	90	2	1	14	2	1	2
*75-091	22	59	10.45	17	63	87	2	2	16	3	2	1
Cumberland	10	61	10.16	17	67	90	1	2	16	2	1	2
*Avalanche	10	62	9.87	12	66	77	1	1	13	2	2	2
*Greenway	1	62	9.87	24	58	80	2	2	13	3	1	2
*Midas	2	63	9.87	26	58	74	2	4	12	3	2	2
*Tendercrop	13	61	9.87	15	63	100	1	2	13	2	2	2
76-017	22	63	9.58	24	52	80	2	2	13	3	2	2
*Burly	22	59	9.29	13	53	80	1	2	11	3	2	2
*Tidal Wave	10	61	9.29	19	52	76	1	2	13	3	1	2
*White Seeded Provider	13	61	9.29	13	65	100	2	2	13	2	2	2
*EXP 121	25	61	9.00	23	62	70	2	2	13	2	2	2
*Majestic Wax	22	62	9.00	32	60	93	2	5	14	2	3	2
*Sungold	25	62	9.00	29	56	78	1	4	12	2	2	3
Cape	2	61	7.55	23	66	90	2	2	16	2	2	2
BBL 112	22	59	6.39	41	70	87	2	2	12	3	2	1

*varieties with identical yields

SNAP BEANS—1980 TRIALS

Location 4—Waseca; Planting Date—5/22

Variety	REPLICATED TRIALS (55 days to harvest)										
	1,000 lb/A	%1-4sv.	Ht.	Wd.	Erect	Color	Length	Shape	Straight	Smooth	Overall Rating
EXP 185	13.82	34	47	49	1.5	2	11.8	2.8	2.0	2.3	8.0
Petite	13.82	34	45	52	1.8	2	12.8	2.8	1.0	2.3	7.3
Vitagreen	13.47	35	46	56	2.0	2	12.8	2.8	2.0	1.5	8.0
Galaslim	12.77	0	46	52	1.8	2	11.0	3.0	1.0	2.5	6.8
Checkmate	12.42	33	44	52	1.3	2	12.5	3.0	1.3	2.0	7.5
Eagle	12.42	0	45	50	1.3	2	13.8	3.0	1.5	2.3	7.8
Goldrush	12.18	0	44	53	2.3	5	12.5	2.8	1.3	2.8	7.3
76-017	9.84	0	40	52	2.0	2	12.5	3.0	1.5	2.0	6.3
BBL GV#2	8.67	53	48	50	1.8	2	13.0	3.0	2.0	2.0	7.0
Lakeland	7.50	63	44	49	1.5	2	13.0	3.0	1.0	1.5	7.8

OBSERVATIONAL TRIALS

Green Genes	17.81	3	46	60	2	2	12	1	1	1	8
XPB 107	16.40	29	43	54	2	2	14	3	2	2	3
1604	16.40	17	41	52	2	2	14	3	2	3	8
BBL Advance	15.93	29	42	58	3	2	14	3	2	3	4
ROMA II	15.46	3	43	57	2	2	12	1	1	3	7
H285 B-2-3	15.00	31	41	42	3	2	12	3	1	3	6
Golden Sands	14.06	33	37	50	3	2	15	3	2	2	2
Bush Bean Wax	13.59	34	45	54	2	5	13	3	1	3	8
Goldcrop	13.59	0	46	55	2	5	13	3	1	3	8
Strike	13.59	34	42	56	3	2	13	2	2	1	6
Tidal Wave	13.59	34	43	49	1	2	12	3	2	1	6
BBL 109	13.12	36	42	49	2	2	12	3	2	2	6
Spurt	13.12	36	46	59	3	2	13	3	2	2	5
Greencrop	12.65	7	40	60	2	2	17	2	1	3	7
Green Isle	12.65	37	48	50	2	2	13	3	1	2	8
Greenway	12.65	37	46	70	3	2	13	3	1	1	7
Mt. Hood	12.18	38	45	56	2	5	13	3	2	3	8
E 8268	11.71	28	44	54	2	2	12	3	1	2	7
Tendercrop	11.71	36	52	54	1	2	11	3	2	1	8
Cape	11.25	33	45	45	2	2	13	3	2	3	6
Earlybird	11.25	42	46	54	2	2	12	3	2	2	8
EXP 121	11.25	0	50	49	1	2	14	2	2	2	7
EXP 9400	11.25	42	42	56	1	2	12	0	3	1	7
H285 A-4-1-1	11.25	42	40	35	2	2	13	3	1	1	5
Sungold	11.25	42	46	50	1	5	13	2	2	2	7
White Seeded Provider	11.25	33	47	56	2	2	14	3	1	2	7
Galamor	10.78	43	50	53	1	2	13	3	2	3	8
Avalanche	10.31	45	48	52	2	2	12	1	1	2	7
BBL 47	10.31	0	46	43	2	2	14	3	2	3	3
Sprite	10.31	45	47	49	2	2	13	2	2	2	7
Burly	9.37	15	46	65	2	2	12	3	1	1	7
EXP 178	9.37	50	48	50	1	2	14	2	2	2	8
XPB 108	9.37	50	45	54	2	2	12	3	2	2	6
XPB 109	9.37	15	48	48	2	2	14	2	2	3	7
BEF RS	8.90	47	45	60	2	2	11	3	2	2	5
EXP 9342	8.90	0	46	68	3	2	14	3	2	3	7
Goldenrod	8.90	53	48	53	3	5	13	3	1	1	7
H285 A-2-1-1	8.90	53	37	35	2	2	12	3	1	2	4
Ranier	8.90	47	45	47	2	2	14	3	2	3	4
Stretch	8.90	53	41	42	3	2	10	3	2	2	4
BBL 53	7.97	59	43	46	1	2	12	3	2	2	9
75-091	7.97	29	52	68	2	2	15	3	1	1	7
Majestic Wax	6.56	71	48	54	1	5	13	3	1	1	8
Triumph	6.56	71	50	59	1	2	13	2	2	2	9
Cumberland	6.09	46	50	53	2	2	13	3	2	2	6
BBL 94	5.62	83	43	43	2	2	12	2	2	3	8
BBL 274	5.62	67	52	56	2	2	13	3	2	2	7
Crossville	5.62	83	49	48	1	2	16	3	2	2	8
Greenpak	5.15	55	44	54	1	2	12	3	1	2	9
Midas	5.15	91	43	44	1	2	13	3	2	2	8
BBL 12	3.28	0	59	62	1	2	12	3	1	2	8
SKIL R.S.	3.28	0	54	50	1	2	12	3	2	1	9

(Golden Butterwax and Lake Superior - no data)

SNAP BEANS—1980 TRIALS

Location 5—Anoka County Peat; Planting Date—5/27

Variety	Days to Harvest	REPLICATED TRIALS										
		1,000 lb/A	%1-4sv.	Ht.	Wd.	Erect	Color	Length	Shape	Straight	Smooth	Overall Rating
ROMA II	64	15.17	19	53	83	2.3	2	13.8	1.5	1.8	2.0	8.0
BBL 94	70	13.36	11	58	79	1.5	2	14.5	3.0	2.8	2.0	3.8
BBL 53	67	10.96	17	59	78	1.5	2	12.8	2.8	2.3	2.8	4.8
Goldenrod	64	10.24	13	54	76	1.3	5	14.0	2.5	1.8	2.0	5.8
Goldcrop	64	8.71	15	54	71	1.5	5	13.3	3.0	2.3	2.5	4.8
Green Isle	64	8.71	21	56	73	1.0	2	13.5	2.8	1.5	1.8	7.3
Spurt	64	7.41	24	56	81	2.0	2	14.5	3.0	1.8	1.5	6.5
Sungold	64	6.75	27	54	84	1.8	5	13.3	2.5	2.5	2.0	5.0
BBL 112	64	5.74	32	63	84	2.0	2	13.8	3.0	2.5	1.8	5.5
EXP 121	67	5.74	27	55	74	1.5	2	13.5	2.8	2.0	2.0	5.8

SNAP BEANS—1980 TRIALS

Location 6—Excelsior (Horticulture Research Center);

Planting Date—6/9

Variety	OBSERVATIONAL TRIALS (59 days to harvest)										
	1,000 lb/A	%1-4sv.	Ht.	Wd.	Erect	Color	Lgth.	Shape	Straight	Smooth	Overall Rating
H285 A-4-1-1	16.55	12	55	70	1	2	13	3	3	2	6
BBL 109	15.39	8	50	60	1	3	12	2	2	2	7
XPB 107	15.39	9	40	60	3	2	15	3	2	2	6
H285 B-2-3	15.10	2	50	70	1	2	14	3	1	1	8
Golden Sands	14.52	14	45	60	2	3	12	3	3	2	6
Roma II	14.23	20	40	70	1	1	14	1	1	2	8
White Seeded Provider	13.94	15	40	60	1	2	14	3	2	2	6
BBL Advance	13.65	17	30	50	1	2	14	3	2	3	6
EXP 9400	13.07	4	40	60	1	3	15	2	2	2	7
Lakeland	12.78	2	50	55	1	3	14	3	1	1	7
Checkmate	12.49	9	55	70	1	2	14	3	2	2	7
Strike	12.20	10	45	65	1	1	15	3	2	2	7
BBL 94	11.91	5	40	65	1	2	14	3	3	2	5
EXP 21	11.91	7	50	65	1	2	15	3	2	2	6
Goldrush	11.91	17	55	60	2	5	14	3	1	2	8
Stretch	11.91	17	45	55	2	2	11	3	2	1	7
Greencrop	11.62	25	45	65	1	2	18	1	1	2	7
Greenway	11.62	10	50	65	2	1	13	3	2	2	7
XPB 108	11.62	13	45	70	3	2	14	3	2	2	7
Galasum	11.33	5	60	60	1	2	14	2	1	2	6
Tendercrop	11.33	8	50	70	1	3	13	2	2	2	7
1604	11.04	11	45	60	1	3	14	3	3	2	6
Green Isle	10.75	8	50	70	1	2	13	3	2	2	7
H 285 A-2-1-1	10.75	11	50	60	1	2	13	3	1	1	8
Crossville	10.45	8	45	55	1	2	13	3	2	2	7
Cape	10.16	14	50	70	2	1	17	3	2	1	7
Tidal Wave	10.16	20	50	60	1	3	12	2	1	2	7
BBL 274	9.87	15	50	60	2	2	15	2	3	2	6
Golden Butterwax	9.87	15	50	70	1	4	14	2	2	2	6
Greenpak	9.87	9	50	60	2	2	15	3	2	1	6
Ranier	9.58	18	45	65	1	3	14	3	2	2	6
Sungold	9.58	6	45	65	2	5	14	3	2	2	7
Earlybird	9.29	22	50	60	2	2	14	3	2	2	5
Avalanche	8.71	20	50	55	1	2	14	2	2	2	6
BBL 53	8.42	7	45	55	1	2	14	3	2	2	6
EXP 9342	8.42	21	50	65	2	1	14	3	1	2	7
Lake Superior	8.42	24	50	55	1	2	14	3	2	2	5
Eagle	8.13	11	50	70	1	3	14	3	1	2	6
Burly	7.84	4	45	35	1	2	14	3	1	2	6
Galamor	7.84	22	60	60	1	2	13	3	2	2	4
Majestic Wax	7.84	22	55	65	1	5	14	3	2	2	6
XPB 109	7.84	30	50	75	2	2	17	2	2	2	6
Sprite	6.97	8	50	55	1	2	13	3	2	2	6
Bush Bean Wax	6.10	33	40	45	1	5	14	3	1	2	6
Cumberland	6.10	19	50	55	1	2	15	3	2	2	5
Goldcrop	6.10	38	40	45	1	5	12	3	1	2	6
Goldenrod	6.10	19	45	60	1	5	13	3	2	2	7
Mt. Hood	6.10	24	40	45	1	2	14	3	2	2	-
Midas	5.52	5	50	40	1	5	14	2	1	1	6
75-091	5.52	16	60	65	1	2	15	3	2	2	4
Spurt	3.19	18	50	65	2	2	13	3	2	1	5

SENSORY EVALUATION OF FROZEN SAMPLES OF SELECTED SNAP BEAN VARIETIES

Variety (1)	Location	Color(2)	Shape(2)	Texture(2)	Flavor(2)	General Rating(2)
Tidal Wave	Anoka	7.15	7.00	6.70	7.00	6.80
76-017	Anoka	7.25	7.20	6.60	6.76	6.80
BBL 109	Waseca	7.10	7.10	6.60	6.60	6.63
BBL 112	Becker	7.18	8.30	6.86	6.00	6.60
Burly	Becker	7.58	7.00	6.70	5.83	6.58
H285 A-2-1-1	Anoka	7.10	7.50	6.20	6.26	6.53
Green Pak	Becker	7.93	7.80	6.70	5.73	6.50
OSU 1604	Becker	6.63	6.90	6.40	6.06	6.40
Strike	Waseca	6.53	7.20	6.10	6.36	6.30
Green Pak	Anoka	6.53	6.50	6.20	6.33	6.30
Burly	Waseca	6.18	6.60	6.60	6.30	6.28
Stretch	Becker	7.00	7.40	6.20	6.10	6.26
Exp 185	Waseca	6.25	6.80	6.40	6.20	6.23
OSU 1604	Waseca	5.68	6.00	6.10	6.93	6.00
Vitagreen	Waseca	7.20	6.80	5.90	5.70	5.93
H2855-2-3	Waseca	6.26	7.20	5.70	5.73	5.88
Greenway	Waseca	5.56	6.86	5.30	6.53	5.70
Ranier	Becker	6.73	5.70	6.00	5.83	5.66
Petite	Waseca	6.35	7.10	5.40	5.90	5.60
Exp 178	Waseca	4.96	5.10	5.20	5.80	5.55
XPB 109	Anoka	6.76	5.80	5.80	5.50	5.46
BBL 53	Waseca	5.76	5.30	5.20	6.23	5.43
XPB 109	Becker	6.80	5.20	4.70	5.56	5.25

(1) Varieties were selected at random from Becker, Waseca, and Anoka and three replicates per sample were evaluated.

(2) Ratings 1-9 with 9 most desirable.

UNIVERSITY OF MINNESOTA



3 1951 D01 921 133 K

The information given in this publication is for educational purposes only. Reference to commercial products or trade names is made with the understanding that no discrimination is intended and no endorsement by the Minnesota Agricultural Extension Service is implied.

Issued in furtherance of cooperative extension work in agriculture and home economics, acts of May 8 and June 30, 1914, in cooperation with the U.S. Department of Agriculture. Norman A. Brown, Director of Agricultural Extension Service, University of Minnesota, St. Paul, Minnesota 55108. The University of Minnesota, including the Agricultural Extension Service, is committed to the policy that all persons shall have equal access to its programs, facilities, and employment without regard to race, creed, color, sex, national origin, or handicap.

15 cents