

UT 2009 Spring Snapbean Variety Trial

Annette Wszelaki, UT Vegetable Extension Specialist

	Variety	Pod Color	Pod Straightness	% Peduncle Attachment	Maturity	Cluster #
1	Boone	8 ab	6 bcd	31 bcd	0.5 bcd	0 c
2	Caprice	5 de	6.5 abc	26 bcd	1 ab	0.8 bc
3	Crockett	8.5 a	5.8 cd	33 bcd	0 d	0.5 bc
4	Hickok	7 abc	7.0 abc	20 cd	1 ab	0.5 bc
5	HMX 6107	6.3 bcd	6.3 abc	24 bcd	1 ab	2.0 ab
6	HMX 6109	7.8 ab	6.5 abc	29 bcd	0.3 cd	0.5 bc
7	HMX 7111	7.3 abc	7.0 abc	21 cd	1 ab	1.0 abc
8	HMX 7112	5 de	7.3 ab	40 abc	0.8 abc	0.5 bc
9	HMX 7113	5.5 cde	6.8 abc	40 abc	1 ab	1.3 abc
10	Inspiration	6.8 abcd	7.5 a	34 bcd	1.3 a	2.5 a
11	Motivation	6.8 abcd	7 abc	56 a	1.3 a	1.3 abc
12	Nash	4.3 e	7.5 a	56 a	1 ab	1.5 abc
13	Pike	7.3 abc	6.5 abc	30 bcd	0.5 bcd	0.5 bc
14	Prevail	6.5 bcd	7 abc	44 ab	1 ab	0.5 bc
15	Sahara	7.5 ab	4.8 d	19 d	0.8 abc	0.5 bc

Averages within each column followed by different letters are significantly different at $P \leq 0.05$.

Pod color: 1 = Light; 5 = Medium; 9 = Dark

Straightness: 1 = J curve; 9 = Straight

Peduncle attachment: Percentage of peduncles attached after harvest (based on 20 bean sample/plot).

Maturity index: 0 = Immature; 1 = Mature; 2 = Overmature

Cluster #: Number of clusters not singulated during mechanical harvesting (based on 1 lb sample).

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Variety		Pod Length (mm)	Average Sieve Size	% Sieve 1	% Sieve 2	% Sieve 3	% Sieve 4	% Sieve 5	% Sieve 6
1	Boone	104 de	2.5 d	9 bc	35 ab	50 ab	6 c	0 b	0 a
2	Caprice	107 de	3.6 b	0 c	10 bcd	27 ab	61.5 ab	1.5 b	0 a
3	Crockett	105 de	1.9 e	27.5 a	54 a	17.5 ab	1 c	0 b	0 a
4	Hickok	113 cd	3.6 b	1 c	6 cd	27.5 ab	57.5 ab	8 ab	0 a
5	HMX 6107	112 cd	3.5 bc	1 c	4 cd	41 ab	53 ab	1 b	0 a
6	HMX 6109	99 e	2.5 d	19 ab	26 bc	48 ab	6 c	1 b	0 a
7	HMX 7111	100 e	3.5 bc	2.5 bc	12.5 bcd	29 ab	46 ab	10 ab	0 a
8	HMX 7112	110 cd	3.6 bc	2.5 bc	6.5 cd	28.5 ab	58.5 ab	4 b	0 a
9	HMX 7113	125 ab	3.5 bc	5 bc	3.5 cd	29 ab	62.5 ab	0 b	0 a
10	Inspiration	130 a	3.7 b	0 c	2.5 cd	40 ab	46 ab	11 ab	0 a
11	Motivation	127 ab	3.7 b	0 c	3 cd	29 ab	67 a	1 b	0 a
12	Nash	123 ab	4.1 a	0 c	0 d	10 b	70 a	19 a	1 a
13	Pike	110 cd	2.6 d	7.5 bc	27.5 bc	59 a	6 c	0 b	0 a
14	Prevail	119 bc	3.8 ab	0 c	2.5 cd	16 ab	77.5 a	4 b	0 a
15	Sahara	99 e	3.2 c	0 c	14 bcd	55 ab	31 bc	0 b	0 a

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Variety		Total wt/Plot (lb)	Mktbl wt/plot (lb)	% Mktbl	Total wt (lb/acre)	Mktbl wt (lb/acre)	Total bushels/a	Mktbl bushels/a	Reasons for unmkbl beans
1	Boone	5.0 bcd	4.5 bcde	91 a	2897 bcd	2642 bcde	97 bcd	88 bcde	stems, halves
2	Caprice	5.6 abcd	5.0 bcde	90 a	3245 abcd	2923 bcde	108 abcd	97 bcde	stems, halves
3	Crockett	3.0 d	2.6 e	86 ab	1750 c	1525 e	58 d	51 e	halves, immature
4	Hickok	9.2 a	7.7 ab	85 abc	5351 a	4487 ab	179 a	149 ab	stems, halves
5	HMX 6107	8.0 ab	7.3 ab	91 a	4625 ab	4250 ab	154 ab	141.8 ab	
6	HMX 6109	3.3 d	3.0 de	86 ab	1917 c	1767 de	64 d	59 de	stems, halves
7	HMX 7111	4.1 cd	3.8 cde	91 a	2400 cd	2199 cde	80 cd	74 cde	stems, halves
8	HMX 7112	6.0 abcd	5.6 abcde	91 a	3506 abcd	3236 abcde	117 abcd	108 abcde	stems, halves
9	HMX 7113	9.2 a	8.3 a	91 a	5359 a	4830 a	178 a	161 a	stems
10	Inspiration	9.2 a	6.9 abc	78 bc	5329 a	4035 abc	178 a	135 abc	stems, end rot
11	Motivation	4.1 cd	3.1 de	75 c	2389 cd	1794 de	79 cd	60 de	stems, end rot
12	Nash	4.1 cd	3.2 de	79 bc	2381 cd	1867 de	79 cd	62 de	stems, end rot, insect damage
13	Pike	5.4 bcd	5.0 bcde	93 a	3115 bcd	2899 bcde	104 bcd	97 bcde	stems, immature
14	Prevail	7.1 abc	6.1 abcd	88 ab	4116 abc	3569 abcd	137 abc	119 abcd	stems, halves, end rot
15	Sahara	4.3 bcd	3.9 cde	91 a	2490 bcd	2284 cde	83 bcd	76 cde	stems, halves

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Plot yields based on 25 ft x 3 ft area

Bushel of snapbeans = 30 lbs

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Variety		Plant Height (in)	Plant Width (in)	Habit	Pod Position	Stand	Pods Remaining
1	Boone	12.3 a	11.3 ab	8.5 a	7.5 a	9.0 a	0.8 c
2	Caprice	9.3 bc	9.5 ab	8.0 a	5.8 abc	5.5 bcd	1.6 bc
3	Crockett	11.1 abc	9.8 ab	9.0 a	5.8 abc	8.0 ab	0.8 c
4	Hickok	11.8 ab	11.6 a	8.3 a	7.6 a	8.0 ab	0.4 c
5	HMX 6107	10.0 abc	9.6 ab	8.5 a	6.3 ab	7.0 abc	0.9 c
6	HMX 6109	10.6 abc	9.0 b	9.0 a	6.3 ab	6.0 bcd	0.7 c
7	HMX 7111	10.0 abc	9.1 b	8.8 a	6.8 ab	7.0 abc	0.7 c
8	HMX 7112	11.8 ab	9.8 ab	9.0 a	7.3 a	8.0 ab	0.7 c
9	HMX 7113	12.2 a	11.1 ab	8.5 a	7.5 a	7.0 abc	0.7 c
10	Inspiration	10.4 abc	9.6 ab	6.0 b	3.5 de	6.0 bcd	1.2 bc
11	Motivation	9.0 c	9.2 b	9.0 a	1.8 e	3.5 d	3.3 a
12	Nash	9.2 bc	9.5 ab	7.8 a	3.3 de	8.0 ab	2.4 ab
13	Pike	11.8 ab	10.6 ab	8.5 a	6.5 ab	8.0 ab	0.9 c
14	Prevail	10.7 abc	9.5 ab	8.0 a	5.0 bcd	4.5 cd	1.5 bc
15	Sahara	10.4 abc	9.3 ab	8.5 a	4.3 cd	4.0 d	1.6 bc

Averages within each column followed by different letters are significantly different at $P \leq 0.05$.

Plant Habit: 9=Erect; 5=Moderate; 1=Prone

Pod Position: 9=High; 5=Just off ground; 1=All pods on ground

Stand: 9 = Excellent; 7 = Very good; 5 = Good; 3 = Fair; 1 = Poor

Pods Remaining: Number of pods remaining per plant after mechanical harvest (based on 5 plant sample/plot).