

Vegetable Soybeans, New Varieties for Massachusetts

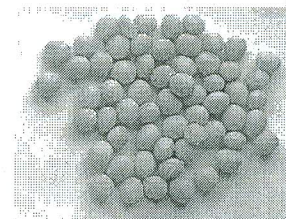
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Edamame are specialty soybeans

- seeds larger, sweeter and more tender than grain soybeans
- provide excellent nutrition, slightly sweet, mild flavor and nutty texture, with less objectionable beany taste
- harvested as fresh green bean (pea).

In 2003 we screened 19 varieties or seed lines

- varied in seed size (181 to 395 mg dw/seed)
- seed color (yellow, green, brown, black)



Lines	Height cm	One-seed pod	Two-seed pod	Three-seed pod	Total pod number	Total seed number	Seed size (mg)	Seed yield (g/plant)
1	33.0	10.2	31.2	4.6	48.3	86.4	375	32.4
2	43.2	21.4	53.0	5.8	80.2	144.8	294	42.5
3	46.5	36.0	84.5	15.5	136	251.5	296	74.4
4	46.0	17.6	41.8	3.6	63.0	112.0	292	32.8
5	29.6	17.2	34.2	6.0	57.4	103.6	335	34.7
6	29.6	15.2	30.4	5.2	50.8	91.6	333	30.5
7	20.7	13.0	18.7	3.7	35.3	61.5	259	15.9
8	43.0	2.0	30.0	24.	56.0	134	254	34.1
9	31	8.9	15.0	7.0	30.9	59.9	342	20.5
10	22	12.0	31.0	2.0	45.0	80.0	281	22.5
11	22.4	3.5	43.0	4.0	30.5	102	395	40.3
12	34.4	13.1	19.6	1.6	34.3	57.1	305	17.4
13	24.1	11.0	27.4	6.3	44.7	84.7	286	24.2
14	33	14.4	28.3	2.0	44.7	77.0	273	21.0
15	20.6	12.6	26.2	4.4	43.2	78.2	212	16.6
16	30.4	10.0	21.3	4.3	35.6	65.5	302	19.8
17	27	19.0	37.0	10.0	66.0	123	369	45.4
18	34.7	9.0	15.4	4.4	28.9	53	266	14.1
Check	45.2	3.6	26.9	8.6	39.7	83.2	181	15.1
mean	30.6	13.7	31.6	6.4	51.3	97.3	297	30.0

