

Agronomic and pod traits in relation to pod shattering in cultivated soybeans

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Table S1. Characteristics of 140 genotypes used in this study across two years under field conditions

No.	Cultivars	Pod shattering rate (%)	Maturation period (days)	Source of origin	Classification
1	T292	93.8	120	Fujian, China	vegetable soybean
2	Beian1	24.2	130	Heilongjiang, China	grain soybean
3	FUKU	0.0	125	Japan	grain soybean
4	9701-2	85.1	140	Heilongjiang, China	vegetable soybean
5	DS9	0.0	125	Heilongjiang, China	grain soybean
6	FS4	91.5	125	Heilongjiang, China	vegetable soybean
7	H95	95.9	125	Heilongjiang, China	vegetable soybean
8	Beian2	24.1	130	Heilongjiang, China	grain soybean
9	MAO2	94.6	125	Heilongjiang, China	vegetable soybean
10	DS7	0.0	120	Heilongjiang, China	grain soybean
11	DS1	4.7	132	Heilongjiang, China	grain soybean
12	MaoIHoudai	94.3	131	Heilongjiang, China	vegetable soybean
13	Zk(45)	90.9	133	Heilongjiang, China	grain soybean
14	9701-1	83.8	138	Heilongjiang, China	vegetable soybean
15	Z199-122	86.5	130	Heilongjiang, China	vegetable soybean
16	Rbq	96.4	130	Japan	vegetable soybean
17	FS9	9.1	130	Heilongjiang, China	grain soybean
18	H89-90(45)	85.9	142	Heilongjiang, China	vegetable soybean
19	ZK5	95.4	142	Heilongjiang, China	vegetable soybean
20	MAO1	92.7	120	Heilongjiang, China	vegetable soybean
21	H44	0.0	130	Heilongjiang, China	grain soybean
22	AME6	1.6	130	America	grain soybean
23	Z1024	98.7	125	Heilongjiang, China	vegetable soybean
24	Maodou70	94.6	131	Heilongjiang, China	vegetable soybean
25	Z110-2	83.4	144	Heilongjiang, China	vegetable soybean
26	T75-1	20.9	142	Fujian, China	grain soybean
27	ZK138	9.8	143	Heilongjiang, China	vegetable soybean
28	104Z	2.5	142	Heilongjiang, China	grain soybean
29	FS5	94.1	142	Heilongjiang, China	vegetable soybean
30	263-266	21.8	142	Heilongjiang, China	grain soybean
31	D4-11	0.0	139	Heilongjiang, China	grain soybean
32	FS1	8.6	142	Heilongjiang, China	grain soybean
33	FS3	80.1	142	Heilongjiang, China	vegetable soybean
34	Zhexian8	86.9	142	Zhejiang, China	vegetable soybean
35	VS10-1099	83.2	142	Heilongjiang, China	vegetable soybean
36	DS28	0.0	142	Heilongjiang, China	grain soybean
37	S26	0.0	135	Heilongjiang, China	grain soybean
38	Dongnong42A	0.5	139	Heilongjiang, China	grain soybean
39	Dongnong42C	1.0	138	Heilongjiang, China	grain soybean
40	Dongnong42E	0.0	133	Heilongjiang, China	grain soybean
41	Heihe49	2.2	102	Heilongjiang, China	grain soybean
42	Heihe44	78.0	105	Heilongjiang, China	grain soybean
43	Heihe33	67.4	109	Heilongjiang, China	grain soybean

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Table S1 to be continued

No.	Cultivars	Pod shattering rate (%)	Maturation period (days)	Source of origin	Classification
44	Heihe51	8.6	108	Heilongjiang, China	grain soybean
45	Heihe43	4.9	114	Heilongjiang, China	grain soybean
46	Heihe18	41.1	109	Heilongjiang, China	grain soybean
47	Heihe59	13.5	109	Heilongjiang, China	grain soybean
48	Heihe60	2.0	110	Heilongjiang, China	grain soybean
49	Liaoxiaolidou2	77.9	144	Liaoning, China	small-grain soybean
50	Liaodou32	2.0	144	Liaoning, China	grain soybean
51	Jiyu105	0.5	132	Jilin, China	small-grain soybean
52	Jiyu108	1.0	130	Jilin, China	small-grain soybean
53	Jiyu109	0.0	138	Jilin, China	small-grain soybean
54	Jiyu101	0.0	139	Jilin, China	small-grain soybean
55	Jilinxiaolidou7	0.0	132	Jilin, China	small-grain soybean
56	Jiyu204	0.0	132	Jilin, China	grain soybean
57	Jimidou2	1.4	138	Jilin, China	grain soybean
58	Jimidou3	3.8	138	Jilin, China	grain soybean
59	Kec14-732	17.3	127	Heilongjiang, China	small-grain soybean
60	Ke09-95	0.0	127	Heilongjiang, China	grain soybean
61	Ls15	7.5	144	Heilongjiang, China	grain soybean
62	Ls18	1.2	139	Heilongjiang, China	grain soybean
63	1474	0.0	139	Heilongjiang, China	grain soybean
64	1618	0.0	139	Heilongjiang, China	grain soybean
65	Ha13-2089	2.0	132	Heilongjiang, China	grain soybean
66	Ha13-3-2413	2.4	131	Heilongjiang, China	grain soybean
67	Ha13-2958	7.8	132	Heilongjiang, China	grain soybean
68	Ha14-2028	3.9	132	Heilongjiang, China	grain soybean
69	Ha12-3510	4.4	134	Heilongjiang, China	grain soybean
70	Ha13-2185	0.0	139	Heilongjiang, China	grain soybean
71	Ha13-2187	0.0	138	Heilongjiang, China	grain soybean
72	Ha14-2146	0.0	138	Heilongjiang, China	grain soybean
73	Ha12-4547	0.6	127	Heilongjiang, China	grain soybean
74	Ha13-1613	1.0	127	Heilongjiang, China	small-grain soybean
75	Ha11-4519	0.0	138	Heilongjiang, China	grain soybean
76	Ha11-3646	0.0	127	Heilongjiang, China	grain soybean
77	Ha11-4142	4.1	134	Heilongjiang, China	grain soybean
78	Ha11-2541	23.4	132	Heilongjiang, China	grain soybean
79	Ha12-4891	2.9	134	Heilongjiang, China	grain soybean
80	Heijian1	94.0	102	Heilongjiang, China	grain soybean
81	Dongda2	0.0	105	Shandong, China	grain soybean
82	Yanhuang3	66.4	146	unknown	vegetable soybean
83	Karyutaka	30.1	139	Shandong, China	grain soybean
84	Jilincailixiang	26.9	134	Jilin, China	small-grain soybean
85	Changnong16	0.6	139	Jilin, China	grain soybean
86	HLT1	1.3	110	Heilongjiang, China	grain soybean

Table S1 to be continued

No.	Cultivars	Pod shattering rate (%)	Maturation period (days)	Source of origin	Classification
87	HLT3	17.3	146	Heilongjiang, China	grain soybean
88	HLT4	0.0	120	Heilongjiang, China	grain soybean
89	HLT5	2.4	102	Heilongjiang, China	grain soybean
90	HLT7	2.3	124	Heilongjiang, China	grain soybean
91	HLT8	6.0	121	Heilongjiang, China	grain soybean
92	Z179-180	4.7	144	Heilongjiang, China	grain soybean
93	Heihe35	6.6	106	Heilongjiang, China	grain soybean
94	Jinyuan71	1.1	109	Heilongjiang, China	grain soybean
95	Heihe53	4.5	114	Heilongjiang, China	grain soybean
96	Heihe38	0.0	121	Heilongjiang, China	grain soybean
97	Jinyuan55	7.2	121	Heilongjiang, China	grain soybean
98	Heihe48	2.6	121	Heilongjiang, China	grain soybean
99	Suixiaolidou2	89.8	125	Heilongjiang, China	small-grain soybean
100	Suinong52	3.0	130	Heilongjiang, China	grain soybean
101	Jiyu112	0.0	130	Jilin, China	small-grain soybean
102	Suiheidapo1	4.1	130	Heilongjiang, China	grain soybean
103	Jihe16	12.6	131	Jilin, China	small-grain soybean
104	Dongnong60	88.7	131	Heilongjiang, China	small-grain soybean
105	Liaoheidou4	0.0	131	Liaoning, China	grain soybean
106	Dongnong59	10.2	131	Heilongjiang, China	grain soybean
107	Suiwuxingdou2	0.0	133	Heilongjiang, China	grain soybean
108	Kenfeng16	7.1	139	Heilongjiang, China	grain soybean
109	Kenfeng20	8.2	139	Heilongjiang, China	grain soybean
110	Kendou40	3.5	139	Heilongjiang, China	grain soybean
111	Dongnong56	0.8	137	Heilongjiang, China	grain soybean
112	Dongnonglvdouya1	1.6	137	Heilongjiang, China	grain soybean
113	Dongnong50	24.0	139	Heilongjiang, China	small-grain soybean
114	Liaoheidou2	1.0	142	Liaoning, China	grain soybean
115	Zhexian9	94.7	142	Zhejiang, China	vegetable soybean
116	Touxinludou	9.9	142	Jilin, China	grain soybean
117	Zhechun4	0.0	142	Zhejiang, China	grain soybean
118	Qingnangheidou	0.0	142	Jilin, China	grain soybean
119	Jiyu401	3.2	139	Jilin, China	grain soybean
120	Dongnong57	95.0	142	Heilongjiang, China	vegetable soybean
121	Jiyu3	87.7	144	Jilin, China	grain soybean
122	Jiyu71	9.0	144	Jilin, China	grain soybean
123	Jihe14	6.6	144	Jilin, China	grain soybean
124	Jiyu86	0.0	144	Jilin, China	grain soybean
125	Heinong69	41.5	143	Heilongjiang, China	grain soybean
126	Jiyu102	93.8	144	Jilin, China	small-grain soybean
127	Heinong48	42.8	144	Heilongjiang, China	grain soybean
128	Gongye042-141	6.3	143	Jilin, China	small-grain soybean
129	Jiqingdou1hao	5.5	144	Hebei, China	grain soybean

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Table S1 to be continued

No.	Cultivars	Pod shattering rate (%)	Maturation period (days)	Source of origin	Classification
130	Zhexian10	98.5	139	Heilongjiang, China	vegetable soybean
131	Kenfeng5	4.9	142	Zhejiang, China	grain soybean
132	Shishengchangye	95.2	144	Beijing, China	grain soybean
133	15-18HL	87.8	124	Heilongjiang, China	vegetable soybean
134	180-182HL	90.7	129	Heilongjiang, China	vegetable soybean
135	Mu-3	16.9	133	Heilongjiang, China	grain soybean
136	160-161HL	0.0	131	Heilongjiang, China	grain soybean
137	Zhongkemaodou4	41.4	145	Heilongjiang, China	vegetable soybean
138	48-19HL	94.5	137	Heilongjiang, China	vegetable soybean
139	199-203HL	97.2	137	Heilongjiang, China	vegetable soybean
140	DS29	4.2	141	Heilongjiang, China	grain soybean

The pod shattering percentage and maturation period are average ones in two years