SCN DIAGNOSTICS

SCN POPULATIONS 2018

Inbred Population	Date	Female # Lee74	Female Index (FI) Pickett	(Peking) PI 548402	PI 88788	PI 90763	PI 437654	PI 209332	PI 89772	(Cloud) PI 548316	HG Type	Race
1	10/30/2017	236	5	1	95	0	0	75	0	70	2.5.7	1
2	10/9/2017	171	82	24	117	0	0	87	1	109	1.2.5.7	2
3	10/9/2017	142	3	2	4	1	0	3	1	13	7*	3
4	11/6/2017	136	118	109	42	88	0	49	89	44	1.2.3.5.6.7	4
5	10/30/2017	108	131	99	75	111	116	115	78	126	1-7	4
6	11/1/2017	190	18	3	70	0	0	64	0	66	2.5.7	5
7	10/30/2017	283	106	77	4	70	0	4	87	40	1.3.6.7	14

Table 1. Phenotypic characterization of *Heterodera glycines* inbred lines available for plant phenotyping. *The FI of this population on PI 548316 is usually just below 10% (HG 0) or just above (HG 7).

HG type designation

HG type	Indicator lines
1	PI 548402 (Peking)
2	PI 88788
3	PI 90763
4	PI 437654
5	PI 209332
6	PI 89772
7	PI 548316 (Cloud)

The number designation in the HG type of a population means that the female index (FI) was greater than 10%. This means the number of females on this soybean line was greater than 10% of the number of females that developed on the standard susceptible Lee 74. For example, a SCN population with an HG type 2.5.7 means that the number of females on indicator lines PI 88788 (2), PI 209332 (5), and PI 548316 (7) was greater than 10% of the number of females that developed on the standard susceptible Lee 74.

Race designation

Race	Pickett	Peking	PI 88788	PI 90763
1	-	-	+	-
2	+	+	+	-
3	-	-	-	-
4	+	+	+	+
5	+	-	+	-
6	+	-	-	-
7	-	-	+	+
8	-	-	-	+
9	+	+	-	-
10	+	-	-	+
11	-	+	+	-
12	-	+	-	+
13	-	+	-	-
14	+	+	-	+
15	+	-	+	+
16	-	+	+	+

A "-" indicates that the female index (FI) was less than 10%. This means that the number of females on this soybean line was less than 10% of the number of females that developed on the standard susceptible Lee 74.

A "+" indicates that the FI was greater than 10%. This means that the number of females on this soybean line was greater than 10% of the number of females that developed on the standard susceptible Lee 74.