ICGL 2 has decumbent-3 to erect growth habit and tangerine orange-color standard and wing petals in flowers. Secondary branches are few. It has a main axis of 36 cm height with a canopy breadth of 32 cm. It has 2-3-4-1 seeded slightly to moderately constricted pods with moderate to prominent beak and reticulation. Its purple colored seeds with 100-seed mass of 33 g contain 49% oil and 10% protein.

ICGL 3 has erect growth habit, and flower color similar to that of ICGL 2. The height of the main axis and canopy breadth are 44 cm and 39 cm, respectively. It has 2-3-1 seeded slightly to moderately constricted pods with moderate to prominent beak and reticulation. Its purple colored seeds have 100-seed mass of 41 g. They contain 53% oil and 10% protein.

ICGL 4 has erect growth habit and flowers with orange-colored standard and yellow wing petals. Secondary branches are many. It has a main axis of 34 cm height, with a canopy breadth of 44 cm. It has 3-2-4-1 seeded slightly reticulated pods with slight to moderate constriction and beak. Its tan colored seeds contain 46% oil and 11% protein, with 100-seed mass of 33 g.

ICGL 5 has erect growth habit and flowers with orange-colored standard and yellow wing petals. It has a few secondary branches. Its height of main axis is 35 cm and breadth of canopy is 34 cm. It has 2-1-3 seeded small moderately reticulated pods, with constriction and beak being none to slight. Its tan colored seeds have a 100-seed mass of 40 g. They contain 53% oil and 14% protein.

These nonnodulating lines produce only a few pods in the absence of mineral N fertilization. Even after application of up to 200 kg N in split doses, they do not compare well for pod yield with nodulating genotypes (3).

The nonnodulation character in the cross 259747 × PI 259747 and Shantung KU No. 203 × PI 259747 showed no allelic differences for nonnodulation factors (4,5). Nonnodulating lines originating from these crosses were evaluated for SCN resistance and were found to be resistant to SCN. Five resistant F₂ lines were grown in the field with a maximum of two cysts per plant, 75 to 100 plants were harvested, and screened for seed yield. Ten plants from each high-yielding line were saved for SCN screening, and the rest of the seed was increased in Puerto Rico. These lines were selected for their superior performance and high level of resistance to SCN. Five resistant F₂ lines were grown in the field with a maximum of two cysts per plant, 75 to 100 plants were harvested, and screened for seed yield. Ten plants from each high-yielding line were saved for SCN screening, and the rest of the seed was increased in Puerto Rico. These lines were selected for their superior performance and high level of resistance to SCN.

References and Notes
