

**'Quail Haven' WILD RESEEDING SOYBEAN**  
*Glycine soja* Sieb. & Zucc.

**Description:** A vining, annual legume native to China. Short, rust-colored hairs cover the leaves, stems, and pods. The small clusters of lilac to purple flowers are borne at the base of the trifoliolate leaves. Flowering occurs from July to early August. The seeds are smaller than commercial soybeans, and vary in color from olive to black to mottled with both colors.

**Uses:** Used for wildlife food and cover, soil improvement, and hay. Seed are particularly attractive to quail.

**Site adaptation:** Adapted to moderately well-drained soils of average or better fertility. Not adapted to deep sands or wet soils. Plantings made in areas with heavy deer populations are generally not successful because of severe grazing pressure.

### **Cultural Specifications**

**Method of establishment:** Seed.

**Planting time:** April 15 to June 1.

**Seedbed preparation:** Prepare a good seedbed by disking and harrowing two or three weeks prior to planting. A typical wildlife planting will be one-fourth to one-half acre in size.

**Planting rate and method:** Plant 6-8 pounds per acre in 36 to 42 inch rows using a corn planter; 20-25 lb/acre (21-26 gram/100 square feet) broadcast or drilled. Seed should be treated with type S (soybean) inoculant before planting. Cover seed about one inch deep. Plantings may need to be protected from deer and livestock grazing.

**Fertilizer requirement:** A soil test should be taken and the recommendations for commercial soybeans followed. If a test is not available, apply 300-400 lb/acre (11-15 oz/100 square feet) of 0-14-14 or similar fertilizer at planting. Apply 200-400 lb/acre (7-15 oz/100 square feet) annually, or as needed to maintain satisfactory production.

**Companion plants:** In wildlife plantings, 'Quail Haven' will twine up weeds or other upright plants for support. When grown for seed production, harvest is improved by interplanting corn or sorghum to support the vines for combining.

### **Management**

**Cultivation:** 'Quail Haven' seedlings are fast growing and vigorous. However, row plantings should be cultivated once or twice to release the seedlings from the first flush of summer weeds.

**Disking:** It is not always necessary to disk the stand to ensure reseedling. Often ample seed will be naturally available at the appropriate soil depth for seedling emergence. In cases where the seed supply has been severely depleted by wildlife utilization or harvesting, a light disking in early spring will help secure a stand.

**Seed production:** Total seed production for 'Quail Haven' is about 1400 lb/acre, but seed shattering limits yields to about 250-300 pounds. The following are recommended planting methods to maximize production:

(1) Plant 6-8 seed per foot alone in 3 or 4 row strips; or (2) Plant 'Quail Haven' in every third or fourth row in a corn or milo planting; or (3) Mix by volume 1/4 reseeding soybeans with 3/4 corn, or 1/3 reseeding soybeans with 2/3 milo, and plant together in rows. Seed matures in late October or November. Harvest should be done as soon as possible after the leaves are killed by frost. Sufficient seed will shatter during harvest to assure successful reseeding.

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