

- PI 557509 **donor id:** N52. **origin:** United States. **pedigree:** F6 generation from single F1 plant obtained from cross of N1 strain, having dark green seeds (yyCC genotype) X a line designated JF-1, having light yellow seed (YYcc genotype). **remarks:** N52 (yyCC genotype) dark green seed & red seedling stem. Seed color in sweetclover is determined by combined effects of the presence or absence of green pigmentation in embryo & seed coat, controlled by Y/y alleles & of brown pigmentation in seed coat, conditioned by C/c alleles. The C/c alleles also control red vs. green seedling stem color. Seed should be scarified before planting. One of a set of 4. Biennial. Genetic Material. Seed.
- PI 557510 **donor id:** N53. **origin:** United States. **pedigree:** F6 generation from single F1 plant obtained from cross of N1 strain, having dark green seeds (yyCC genotype) X a line designated JF-1, having light yellow seed (YYcc genotype). **remarks:** N53 (yycc genotype) silver green seed & green seedling stem. Seed color in sweetclover is determined by combined effects of the presence or absence of green pigmentation in embryo & seed coat, controlled by Y/y alleles & of brown pigmentation in seed coat, conditioned by C/c alleles. The C/c alleles also control red vs. green seedling stem color. Seed should be scarified before planting. One of a set of 4. Biennial. Genetic Material. Seed.
- PI 557511 **donor id:** N741. **origin:** United States. **pedigree:** F21 generation from an initial cucuBB X CuCubb cross followed by self-pollination of a single-doubly heterozygous plant in each generation from F1 to F17. The genotype was isolated in F18. **remarks:** N741 (cucubb genotype) biennial form of white-flowered sweetclover low in coumarin content and low in B-glucosidase activity. The Cu/cu alleles govern coumarin content and the B/b alleles govern B-glucosidase activity. Seed should be scarified before planting. One of a set of 4 lines differing in coumarin content and B-glucosidase activity that represent all possible homozygous combinations of 2. Biennial. Genetic Material. Seed.