

PI 511808 to 511811. *Nicotiana tabacum* L. SOLANACEAE Tobacco

**Donated by:** Johnson, A.W., Pee Dee Research and Education Center, Clemson University, Florence, South Carolina, United States. Received September 18, 1987.

PI 511808 **donor id:** CU-2. **origin:** United States. **pedigree:** Coker 347/TI 1112. **other id:** GP-29. **group:** CSR-TOBACCO. **other id:** JB-3. **remarks:** Plants 1.52m tall. Flowers pink. Flue-cured appearance. Yield 2718 kg/ha. Leaf average 26 per plant. Leaf trichomes without glandular heads or exudates. Nicotine converter with alkaloid level 80% nornicotine. **insect resistance:** Tobacco budworms, hornworms, and aphids. **Breeding Material.** Seed.

PI 511809 **donor id:** CU-5. **origin:** United States. **pedigree:** Clemson PD-4/TI 1132. **other id:** GP-30. **group:** CSR-TOBACCO. **other id:** JA-264. **remarks:** Plants 1.27m tall, flue-cured type. Yield 2237 kg/ha. Flowers pink. Nicotine level 4.43% cured leaf dry weight. **insect resistance:** Aphids. **Breeding Material.** Seed.

PI 511810 **donor id:** CU-25. **origin:** United States. **pedigree:** Coker 347/TI 165. **other id:** GP-31. **group:** CSR-TOBACCO. **other id:** JB-17. **remarks:** Plants 1.3m tall, flue-cured type. Glandular head leaf Trichomes with exudates present. Yield 2667 kg/ha. Leaf average 23 per plant. Total alkaloid level 3.42%. Susceptible to aphids. **insect resistance:** High to tobacco budworm. **Breeding Material.** Seed.

PI 511811 **donor id:** CU-131. **origin:** United States. **pedigree:** Speight G-36/TI 1112. **other id:** GP-32. **group:** CSR-TOBACCO. **other id:** JB-138. **remarks:** Plants 91cm tall. Flowers pink. Leaf average 14 per plant. Leaves contain glandular headed trichemes with less exudates than Speight G-36. Good source of 15-OH abienol. **insect resistance:** Tobacco budworm. **disease resistance:** Possibly to blue mold. **Breeding Material.** Seed.

PI 511812. *Lupinus angustifolius* L. FABACEAE European blue lupine

**Donated by:** Miller, J.D., USDA-ARS, Coastal Plain Experiment Station, Tifton, Georgia, United States. **remarks:** Cooperative investigations of USDA-ARS and University of Georgia Coastal Plain Experiment Station, Tifton, Georgia. Received September 18, 1987.