

PI 574540. *Phaseolus vulgaris* L. FABACEAE Common bean

**Donated by:** Acosta, Jorge, INIFAP-SARH, APDO. Postal 10, Chapingo, Mexico 56230, Mexico. Received November 19, 1993.

**origin:** Mexico. **cultivar:** FLOR DE MAYO M38. **pedigree:** A 409/3/BAT 1670//NEP BAYO 22/XAN 112. **other id:** MAM 38. **other id:** W6 13863. **group:** W6. **remarks:** Indeterminate prostrate growth habit. Type III with 8-12 basal branches and mean canopy height of 40cm. Flowers white. Carries the dominant I gene for resistance to bean common mosaic virus. Highly resistant to prevalent races of rust (*Uromyces appendiculatus*). Tolerance to anthracnose (*Colletotrichum lindemuthianum*), halo blight (*Pseudomonas syringae*), common bacterial blight (*Xanthomonas campestris*), and low soil fertility. Spring Annual. Cultivar. Seed.

PI 574541. *Glycine max* (L.) Merr. FABACEAE Soybean

**Donated by:** Nickell, C.D., Illinois Agr. Exp. Sta., University of Illinois, Urbana, Illinois 61801, United States; and Agricultural Research Service -- USDA. **remarks:** LN89-5612 Soybean Germplasm. Received November 19, 1993.

**origin:** United States. **developed:** C.D. Nickell, G.R. Noel, R.L. Bernard, D.J. Thomas, J. Pracht. **origin institute:** Illinois Agr. Exp. Sta., University of Illinois, 1102 S. Goodwin, Urbana, Illinois 61801 United States. **cultivar:** LN89-5612. **pedigree:** F2 plant sel. from Williams 82 x (Williams 82(3) x Cloud). **other id:** GP-163. **group:** CSR-SOYBEAN. **restricted:** CSR. **remarks:** Maturity Group III (relative maturity 3.9) averaging 7 d later than Resnik and 1 d later than Linford. When compared with Resnik in SCN (Soybean Cyst Nematode) infested soils, had 60% higher seed yield. At SCN noninfested locations, had 10% higher yield, and 10cm taller plants than Resnik. When inoculated with SCN (*Heterodera glycines*) in the greenhouse, was susceptible to Races 1 and 5, moderately susceptible to Races 2 and 4, and moderately resistant to Races 3 and 14. Flowers white. Pubescence tawny. Pods tan at maturity. Seeds dull yellow with black hila. Spring Annual. Breeding Material. Seed.

PI 574542. *Glycine max* (L.) Merr. FABACEAE Soybean

**Donated by:** Nickell, C.D., Illinois Agr. Exp. Sta., University of Illinois, Urbana, Illinois 61801, United States; and Agricultural Research Service -- USDA. **remarks:** LN89-5717 Soybean Germplasm. Received November 19, 1993.