

PI 574553 to 574620-continued

PI 574620 **donor id:** FS9093-001. **origin:** United States. **developed:** M.F. Kolding. **origin institute:** Oregon State University, 1910 SW 44, Pendleton, Oregon 97801-4221 United States. **pedigree:** Nb.90CB30 Ms/90Herm-CTbulk. **remarks:** Cool tolerant. Enhanced selection from cool tolerant lines from CIMMYT. Grown in areas of Oregon subject to nighttime temp. less than 50 deg. F during anthesis, and in some areas below 45 deg. F. Cool tolerance 4 (1-9, 1=very tolerant). Height 120cm. Kernel color 2 (1=white...4=Brown). Kernel size 7 (1=small...9=very large). No lodging observed. Maturity 4 (1=very early...9=very late). Breeding Material. Seed.

PI 574621 to 574624. *Cuphea viscosissima* Jacq. LYTHRACEAE

**Donated by:** Knapp, S.J., Oregon Agr. Exp. Sta., Oregon State University, Corvallis, Oregon 97331-3002, United States. Received December 03, 1993.

PI 574621 **origin:** United States. **cultivar:** VS-6-CPR-1. **pedigree:** Near isogenic inbred line of the *C. viscosissima* inbred line VS-6 (PI 534911). Selection was practiced among M2 and M3 progeny to fix mutant alleles and develop homozygous lines. **remarks:** Fatty acid mutant line developed by selecting for fatty acid percentage shifts among 862 M2 lines developed by self-pollinating M1 individuals from PI 534911 mutagenized with ethyl methane sulfonate. Decreased capric acid and increased caprylic, lauric, myristic, and palmitic acid percentages. Breeding Material. Seed.

PI 574622 **origin:** United States. **cultivar:** VS-6-CPR-4. **pedigree:** Near isogenic inbred line of the *C. viscosissima* inbred line VS-6 (PI 534911). Selection was practiced among M2 and M3 progeny to fix mutant alleles and develop homozygous lines. **remarks:** Fatty acid mutant line developed by selecting for fatty acid percentage shifts among 862 M2 lines developed by self-pollinating M1 individuals from PI 534911 mutagenized with ethyl methane sulfonate. Decreased capric acid and increased caprylic, lauric, myristic, and palmitic acid percentages. Breeding Material. Seed.