PI 540461-continued

origin: United States. **origin institute:** North Carolina Agr. Res. Service, North Carolina State University, Crop Science Dept., Raleigh, North Carolina 27695. **cultivar:** NC-V11. **pedigree:** Florigiant/NC 5//Florigiant/Valencia. **other id:** PVP 9000197. **source:** Pending. **group:** PVPO. **other id:** CV-40. **group:** CSR-PEANUT. **remarks:** Large-seeded virginia-type with runner growth habit. Yield and value per acre high. Maturity 145 days. Mainstem height 25cm. Seed pink, cylindrical-shaped, tapered ends, weight 80 g/100 seed. No pest or disease resistance has been identified. Spring Annual. Cultivar. Seed.

PI 540462 to 540466. Zea mays L. subsp. mays POACEAE Dent corn

Donated by: York, J.O., Arkansas Agr. Exp. Sta., University of Arkansas, Fayetteville, Arkansas, United States. **remarks:** Five Maize Germplasms. Received April 27, 1990.

PI 540462 **origin:** United States. **origin institute:** Arkansas Agr. Exp. Sta., University of Arkansas, Fayetteville, Arkansas 72701. **cultivar:** ARK. SWCB SYN.. **pedigree:** One cycle of recurrent selection was conducted using manually infested southwestern corn-borer eggs in a synthetic variety composed of the inbred lines AKd24, AKd34, Ark. H-13, Ark. H-24, Ark. H-77, AKW 413.2, Mp 460, and T105. **other id:** GP-230. **group:** CSR-MAIZE. **remarks:** Original population developed for a source of genes for resistance to the southwestern corn borer. Selection was for resistance to leaf-feeding damage and to stalk invasion. Resistance to corn virus complex (maize dwarf mosaic A and maize chlorotic dwarf) disease. It is predominately a yellow endosperm synthetic with maturity classification of AES1000. Spring Annual. Breeding Material. Seed.

PI 540463 **origin:** United States. **origin institute:** Arkansas Agr. Exp. Sta., University of Arkansas, Fayetteville, Arkansas 72701. **cultivar:** ARK. LEAF FEED RES. SYN.. **pedigree:** Synthetic developed from the inbred lines A295, MS1, Oh41, Oh 43, Oh 45, R61 and a inbred line from the cross of (A392/R61). All contain the Lancaster source of resistance to the European corn borer. **other id:** GP-231. **group:** CSR-MAIZE. **remarks:** Synthetic developed as a source of genes for resistance to leaf-feeding damage by the southwestern and European corn borers. Selection for resistance was conducted using manually infested southwestern corn borer eggs. Yellow-endosperm synthetic with a maturity classification of AES800. Spring Annual. Breeding Material. Seed.