

PI 550500 to 550502. Zea mays L. subsp. mays POACEAE Corn

**Donated by:** Alexander, D. E., University of Illinois, Department of Agronomy, Urbana, Illinois, United States. Received 1981.

PI 550500 **origin:** United States. **origin institute:** University of Illinois, Department of Agronomy, Urbana, Illinois 61801. **cultivar:** Photoperiod Insensitive Composite I. **pedigree:** Segregating populations of tropical (32%), South African (44%) and U.S (24%) lines were selected for photoperiod insensitivity. **other id:** GP-90. **source:** Crop Sci. 22(1):158 1982. **group:** CSR-MAIZE. **remarks:** Photoperiod sensitive strains included: 11 Mex 44, Eto Blanco, Teosinte Pool, Sintetico Cristalino, Blanco Comun, M162W, M136Y, M848W, L189Y. Photoperiod insensitive strains included: Long Ear Synthetic, C103, B756T, Ms57, L141Y, Oh45 Ht, B1138T, M60Y, B616T, F289WT, M83Y, F2834T, WF9R, Mol2. Flowered about the same as Stiff Stalk Synthetic (AES800). Annual. Breeding Material. Seed.

PI 550501 **origin:** United States. **origin institute:** University of Illinois, Department of Agronomy, Urbana, Illinois 61801. **cultivar:** Photoperiod Insensitive Composite II. **pedigree:** 13 tropical populations with photoperiod insensitivity were bulked and random mated for 4 generations. **other id:** GP-91. **source:** Crop Sci. 22(1):158 1982. **group:** CSR-MAIZE. **remarks:** Synthetic 13 lines include: Flint Composite, Narino 330/Peru 330, Cuba 11J, Cuba Gpo. 2, (Cuba 40, Hawaii 5, SLP 164), Antigua Gpo. 2, Perola Piracicaba, Compuesto Flint, Compuesto Cateto, Compuesto Colombia, PMS 264 Sta. Roza I.V. 68, Perla/Americano Sta. Tereza 1 V.68, Teosinte pool. Flowered 7-10 days later than Stiff Stalk Synthetic. Annual. Breeding Material. Seed.

PI 550502 **origin:** United States. **origin institute:** University of Illinois, Department of Agronomy, Urbana, Illinois 61801. **cultivar:** Photoperiod Insensitive Composite III. **pedigree:** Photoperiod insensitive tropical populations (Flint Composite, Perola Piraciacaba, Narino 330/Peru 330, Cuba 11J, Cuba 40, Hawaii 5, SLP 164, Comporto Flint) crossed with Composite I. **other id:** GP-92. **source:** Crop Sci. 22(1):158 1982. **group:** CSR-MAIZE. **remarks:** Flowered at least 2 weeks later than Stiff Stalk Synthetic. Annual. Breeding Material. Seed.

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**Donated by:** Cross, H. Z., North Dakota State University, Department of Agronomy, Fargo, North Dakota, United States. Received 1981.