PI 564844 to 564847. Arachis hypogaea L. FABACEAE Peanut

Donated by: Stalker, H.T., North Carolina Agr. Exp. Sta., North Carolina State University, Raleigh, North Carolina 27695, United States. **remarks:** GP-NC WS1, WS2, WS3, and WS4 Peanut Germplasm. Received February 04, 1993.

PI 564844 **origin:** United States. **developed:** H.T. Stalker, M.K. Beute. **origin institute:** North Carolina Agr. Exp. Sta., North Carolina State University, Dept. of Crop Science, Raleigh, North Carolina 27695 United States. **cultivar:** GP-NC WS1. **pedigree:** Arachis hypogaea (PI 261942 or PI 261943) (2n = 4x = 40) / A. cardenasii (PI 262141). **other id:** GP-59. **source:** Crop Sci. 33(5):1117 1993. **group:** CSR-PEANUT. **restricted:** CSR. **remarks:** Semi-erect. No flowers produced on mainstem. Vegetative: reproductive nodes on lateral branches have alternating pattern and botanically belongs to ssp. hypogaea var. hypogaea. Mainstem not apparent at time of harvest. Pods slightly to moderately constricted. Seeds light pink, 35.8g/100 seeds. Has significantly fewer Cercospora arachidicola lesions than resistant A. hypogaea lines in the field and is considered to be resistant. Susceptible to Cercosporidium personatum. Spring Annual. Breeding Material. Seed.

PI 564845 **origin:** United States. **developed:** H.T. Stalker, M.K. Beute. **origin institute:** North Carolina Agr. Exp. Sta., North Carolina State University, Dept. of Crop Science, Raleigh, North Carolina 27695 United States. **cultivar:** GP-NC WS2. **pedigree:** Arachis hypogaea (PI 261942 or PI 261943) (2n = 4x = 40) / A. cardenasii (PI 262141). **other id:** GP-60. **source:** Crop Sci. 33(5):1117 1993. **group:** CSR-PEANUT. **restricted:** CSR. **remarks:** Bunch growth habit. Mainstem not apparent at harvest. No flowers produced on mainstem and lateral branches have a 1 vegetative: 6 or more reproductive pattern at nodes. Pods have slight constriction and prominent ridges. Seeds light pink, 33.5g/100. Has high levels of partial resistance to Cercospora arachidicola in the field by having significantly fewer lesions and less defoliation than resistant A. hypogaea lines. Fewer than 10% of lesions produce spores. Has partial resistance to Cercosporidium personatum. Spring Annual. Breeding Material. Seed.