PI 552545 **origin:** United States. **origin institute:** California Agr. Exp. Sta., University of California, Davis, California 95616. **cultivar:** UC 222. **pedigree:** 107 plants selected from wide germplasm base of unadapted and adapted germplasm to the Imperial Valley of southern California. Seed was produced in cages and intercrossed with honeybees. **other id:** GP-250. **source:** Crop Sci. 32(1):286 1992. **group:** CSR-ALFALFA. **remarks:** Very nondormant 107 clone synthetic germplasm selected for high resistance to the blue alfalfa aphid. Parent plants were selected from seedling tests in the greenhouse, and from a large walk-in insect cage where high numbers of blue alfalfa aphid were maintained over a two week period. At Tucson, AZ, the percentage of resistant plants were: 75, 56, and 0.7 for UC 222, CUF 101(R), and Caliverde(S),. Perennial. Breeding Material. Seed.

PI 552546 **origin:** United States. **origin institute:** California Agr. Exp. Sta., University of California, Davis, California 95616. **cultivar:** UC 226. **pedigree:** Approx. 50-80% of the parentage of the germplasm traces to UC Salton, UC Cargo, and CUF 101. The remaining parentage can be traced to other UC material obtained at the Imperial Valley Agr. Ctr. All seed was open pollinated by honeybees. **other id:** GP-247. **source:** Crop Sci. 32(1):285 1992. **group:** CSR-ALFALFA. **remarks:** Very nondormant germplasm whose parent plants were selected from a holding nursery for root-rot resistant germplasms located in an area with soil salinity values of 0.7 to 1.2 Sm -1 (7 to 12 mmho cm-1) in the top three feet of soil. Selected over 4 years for important insect and root rot diseases found in the low desert of southern California. High yielding gp which yielded 107% of CUF 101 in a two year. Perennial. Breeding Material. Seed.

PI 552547 **origin:** United States. **origin institute:** California Agr. Exp. Sta., University of California, Davis, California 95616. **cultivar:** UC 231. **pedigree:** Intercross of 235 plants space planted in a cage and intercrossed with honeybees. Origin traces to CUF 101 (75%) and UC 103, a population selected from UC Salton in a low, wet area near Blythe, CA (25%). **other id:** GP-254. **source:** Crop Sci. 32(1):285 1992. **group:** CSR-ALFALFA. **remarks:** Very nondormant 235 clone synthetic selected from the second and third cycles of selections for bacterial wilt resistance at St. Paul, MN. Percentage of plants resistant to bacterial wilt were: 39, 17, 42, and <1 for UC 231, UC 189, Vernal(R), and Narragansett(S), respectively. Percentage of plants resistant to Fusarium wilt were: 77, 77, 72, and 4 for UC 231, UC 189, Moapa 69(R), and MN GN-1(S), respectively. The. Perennial. Breeding Material. Seed.