

PI 559193 to 559196-continued

- PI 559193 **origin:** South Africa. **historical origin:** United States. **origin institute:** USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331. **cultivar:** USDA 21235M. **pedigree:** Hallertauer mittelfruh x OP. **other id:** USDA 21235M PH2/46. **remarks:** Very late pollen shedding, very low cohumulone content, downy mildew tolerant. Perennial. Breeding Material. Plant.
- PI 559194 **origin:** United States. **origin institute:** USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331. **cultivar:** USDA 21376M. **pedigree:** Cascade x Early Green-OP. **other id:** USDA 21376M Selection 7504-104. **remarks:** Early maturity, low cohumulone content, low humulene in the oil, low alpha, high beta acids. Perennial. Breeding Material. Plant.
- PI 559195 **origin:** South Africa. **historical origin:** United States. **origin institute:** USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331. **cultivar:** USDA 21237M. **pedigree:** Saazer x OP. **other id:** USDA 21237M PS1/10. **remarks:** Poorly adapted to growing conditions in Western Oregon, pollen sheds in late July, low humulene content. Perennial. Breeding Material. Plant.
- PI 559196 **origin:** United States. **origin institute:** USDA-ARS Hops Research Project, East Farm, Corvallis, Oregon 97331. **cultivar:** USDA 21313M. **pedigree:** Comet x [(Brewer's Gold x Early Green-OP) x (64035M)]. **other id:** USDA 21313M Selection Number 7. **remarks:** Low cohumulone, good storage stability, early maturity May have inherited PNR virus resistance from Comet. Perennial. Breeding Material. Plant.

PI 559197 to 559212. *Humulus lupulus* L. CANNABACEAE Hops

**Donated by:** Hampton, R.O., Oregon State University, Dept. Botany and Plant Path., Corvallis, Oregon, United States. Received December 06, 1983.

- PI 559197 **origin:** United States. **pedigree:** Collected from the wild in Nebraska. **collected:** December 01, 1983. **locality:** Brownville, near Missouri R. in mixed shrubs and hardwood. **latitude:** 40 deg. 20 min. N. **longitude:** 95 deg. 45 min. W. **remarks:** Native North American *Humulus lupulus*. Perennial. Wild. Plant.